

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER



FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER			5. Lease Serial No. UTU-0359	
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone			6. If Indian, Allottee or Tribe Name TRIBAL SURFACE	
2. Name of Operator KERR MCGEE OIL AND GAS ONSHORE LP			7. If Unit or CA Agreement, Name and No. UNIT #891008900A	
3A. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078		3b. Phone No. (include area code) (435) 781-7024		8. Lease Name and Well No. NBU 922-18D3DS
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SW/NW 1864'FNL, 346'FWL (LOT 2) At proposed prod. Zone NW/NW 1230'FNL, 385'FWL (LOT 1)			9. API Well No. 43047-39804	
14. Distance in miles and direction from nearest town or post office* 17 +/- MILES FROM OURAY, UTAH			10. Field and Pool, or Exploratory NATURAL BUTTES	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 337'			11. Sec., T., R., M., or Blk. and Survey or Area SEC. 18, T9S, R22E	
16. No. of Acres in lease 162.39		17. Spacing Unit dedicated to this well 40.00		
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C		20. BLM/BIA Bond No. on file RLB0005239		
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4894'GL		22. Approximate date work will start* UPON APPROVAL		23. Estimated duration TO BE DETERMINED

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|--|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office. | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature 	Name (Printed/Typed) SHEILA UPCHEGO	Date 11/16/2007
Title SENIOR LAND ADMIN SPECIALIST		
Approved by Signature 	Name (Printed/Typed) BRADLEY G. HILL	Date 08-20-08
Title ENVIRONMENTAL MANAGER		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

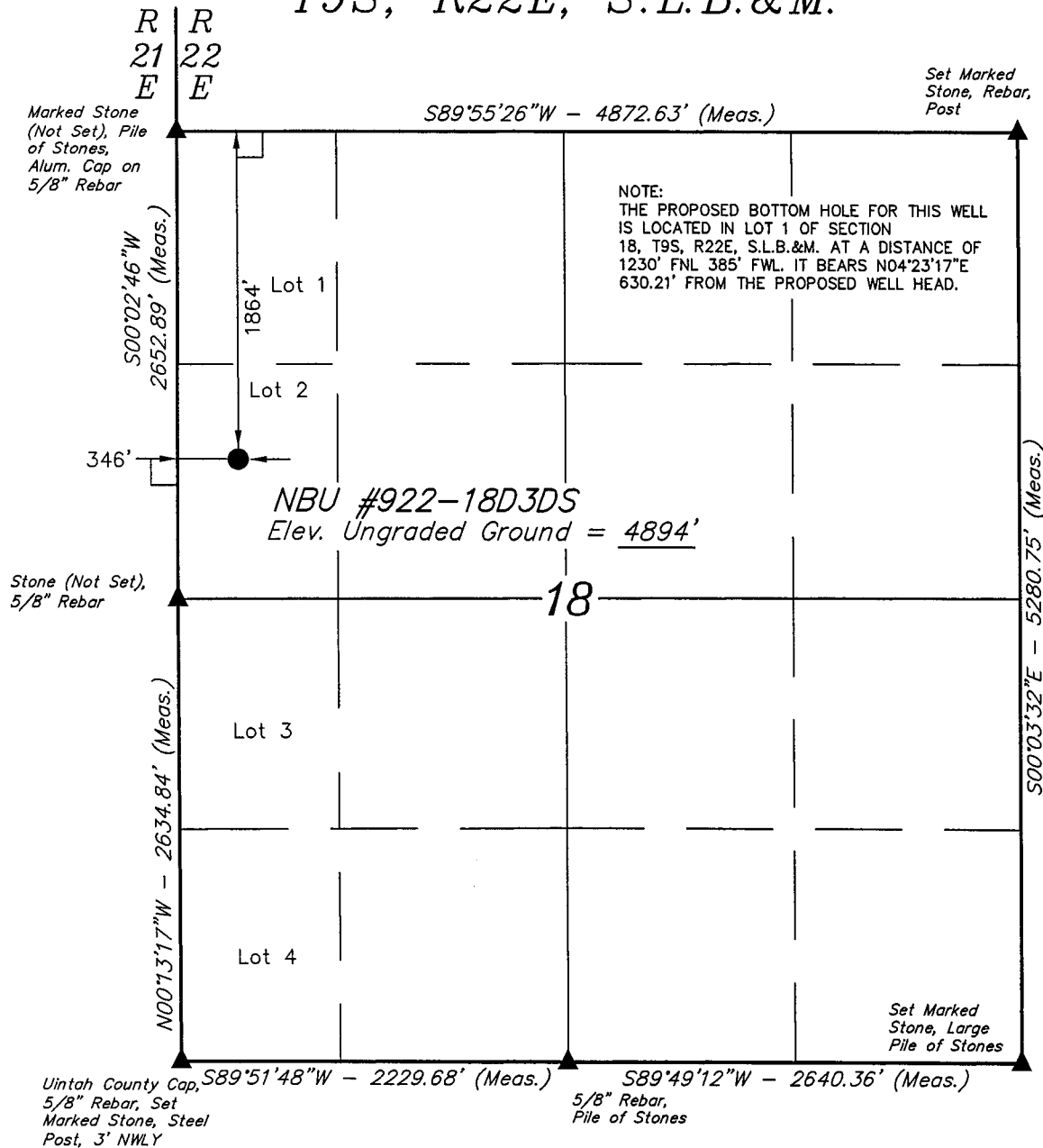
Surf
628941X
44328734
40.038130
-109.488649

BHL
628948X
44330674
40.039877
-109.488547

RECEIVED
DEC 03 2007
DIV. OF OIL, GAS & MINING

Federal Approval of this
Action is Necessary

T9S, R22E, S.L.B.&M.



LEGEND:

- └─ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)
 LATITUDE = 40°02'17.32" (40.038144)
 LONGITUDE = 109°29'22.29" (109.489525)
 (NAD 27)
 LATITUDE = 40°02'17.45" (40.038181)
 LONGITUDE = 109°29'19.82" (109.488839)

Kerr-McGee Oil & Gas Onshore LP

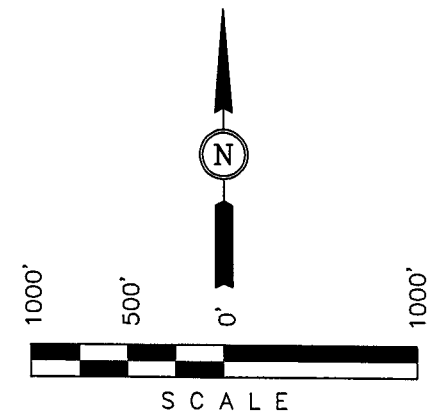
Well location, NBU #922-18D3DS, located as shown in Lot 2 of Section 18, T9S, R22E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK (20EAM) LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE MAP WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161318
 STATE OF UTAH

REV: 10-22-07

UINTAH ENGINEERING & LAND SURVEYING
 85 SOUTH 200 EAST - VERNAL, UTAH 84078
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 05-07-07	DATE DRAWN: 05-17-07
PARTY D.K. L.K. C.H.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE Kerr-McGee Oil & Gas Onshore LP	

**NBU 922-18D3DS
SW/NW LOT 2, SEC. 18, T9S, R22E
UINTAH COUNTY, UTAH
UTU-0359**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1818'
Top of Birds Nest Water	2112'
Mahogany	2475'
Wasatch	5094'
Mesaverde	7830'
MVU2	8765'
MVL1	9282'
TVD	9910'
TD (MD)	9983'

2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1818'
	Top of Birds Nest Water	2112'
	Mahogany	2475'
Gas	Wasatch	5094'
Gas	Mesaverde	7830'
Gas	MVU2	8765'
Gas	MVL1	9282'
Water	N/A	
Other Minerals	N/A	

3. Pressure Control Equipment (Schematic Attached)

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

4. Proposed Casing & Cementing Program:

Please see the Natural Buttes Unit SOP.

5. Drilling Fluids Program:

Please see the Natural Buttes Unit SOP.

6. **Evaluation Program:**

Please see the Natural Buttes Unit SOP.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 9983' TD, approximately equals 6189 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3993 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

Please see Natural Buttes Unit SOP.

10. **Other Information:**

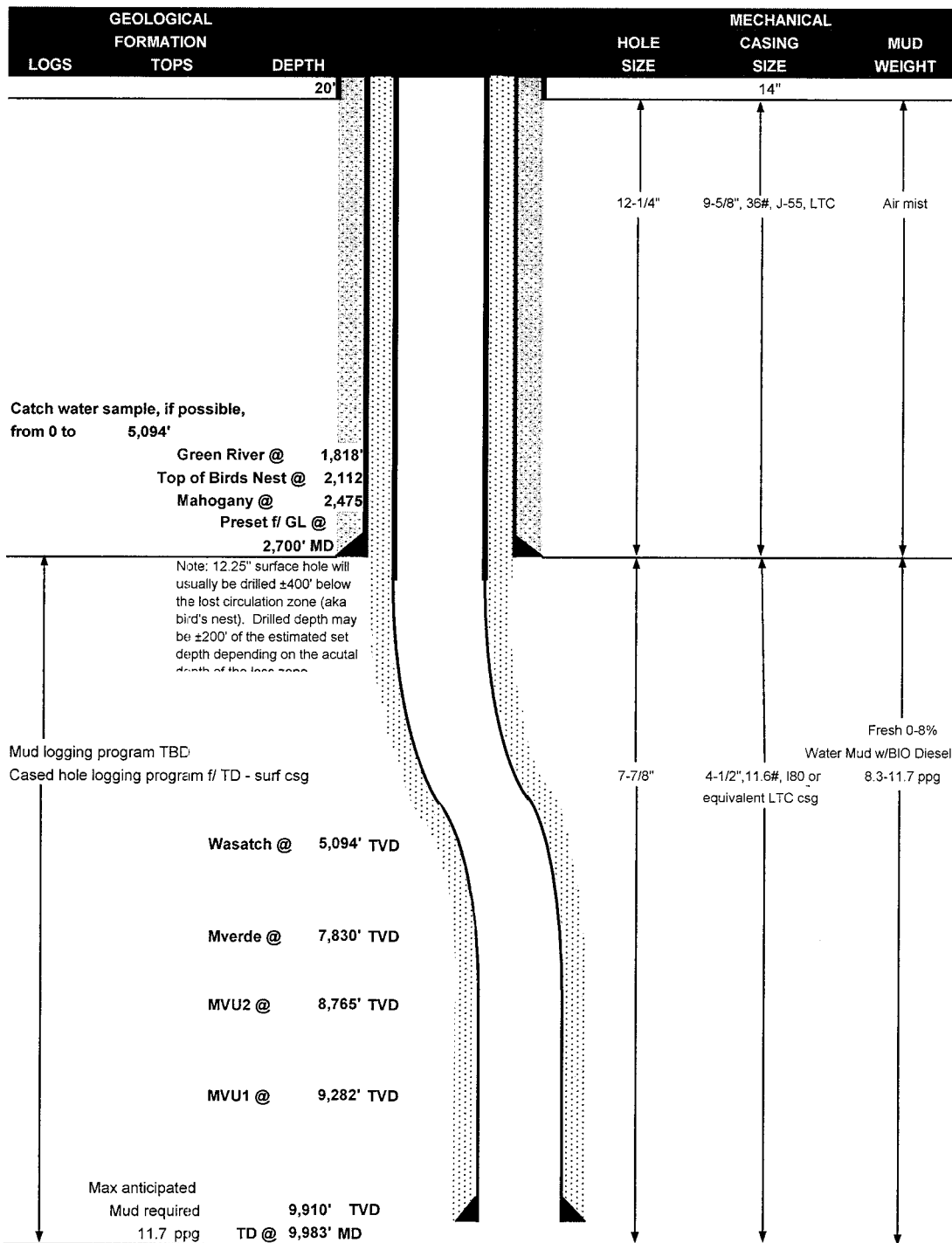
Please see Natural Buttes Unit SOP.



KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE November 16, 2007
 WELL NAME NBU 922-18D3DS TD 9,983' MD 9,910' TVD
 FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 4,893' GL KB 4,908'
 SURFACE LOCATION SW/NW LOT 2, SEC. 18, T9S, R22E 1864'FNL, 346'FWL
 Latitude: 40.038144 Longitude: 109.489525
 BTM HOLE LOCATION NW/NW LOT 1, SEC. 18, T9S, R22E 1230'FNL, 385'FWL
 OBJECTIVE ZONE(S) Wasatch/Mesaverde
 ADDITIONAL INFO Regulatory Agencies: TRIBAL SURFACE, BLM MINERALS, UDOGM, Tri-County Health Dept.





KERR-McGEE OIL & GAS ONSHORE LP **DRILLING PROGRAM**

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				3520	2020	453000
SURFACE	9-5/8"	0 to 2700	36.00	J-55	LTC	0.91	1.60	5.93
PRODUCTION	4-1/2"	0 to 9983	11.60	I-80	LTC	2.01	1.05	1.99

- 1) Max Anticipated Surf. Press (MASP) (Surface Casing) = (Pore Pressure at next csg point - (0.22 psi/ft-partial evac gradient x TVD of next csg point))
2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)
(Burst Assumptions: TD = 0.0 ppg) .22 psi/ft = gradient for partially evac wellbore
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MASP 3877 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
Option 1	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE	LEAD	1500	NOTE: If well will circulate water to surface, option 2 will be utilized 65/35 Poz + 6% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOW	360	35%	12.60	1.81
Option 2	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	7,323'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	800	60%	11.00	3.38
	TAIL	2,660'	50/50 Poz/G + 10% salt + 2% gel + 1% R-3	750	60%	14.30	1.31

*Substitute caliper hole volume plus 15% excess if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER:

Brad Laney

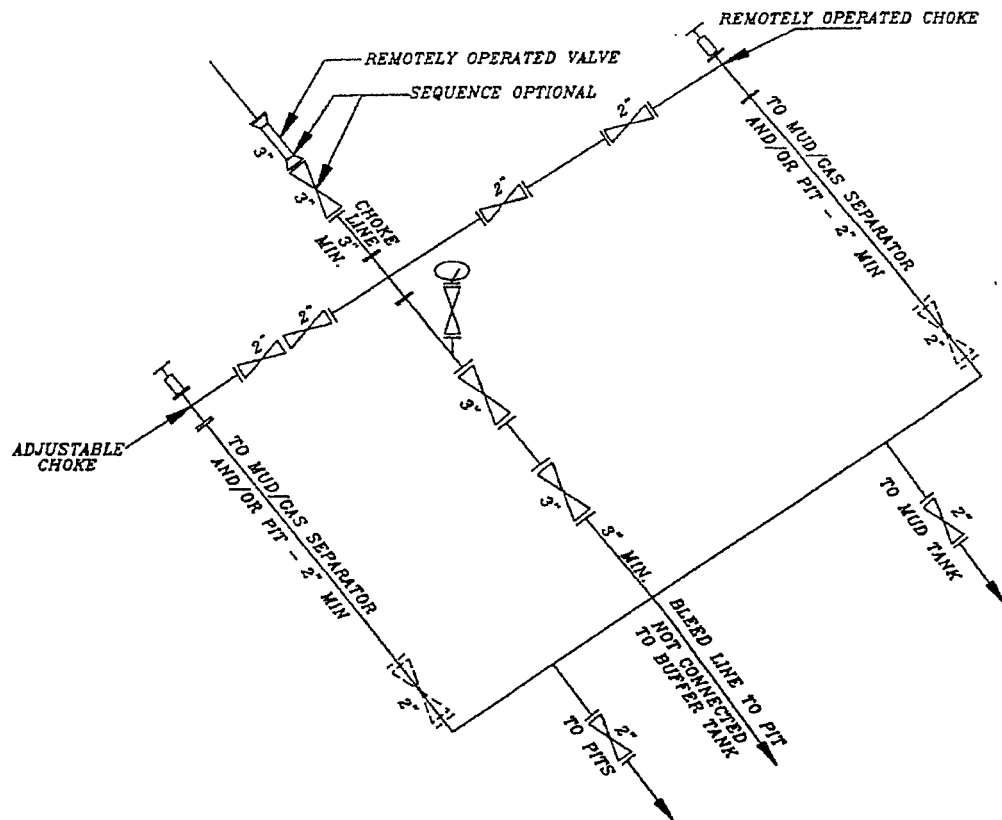
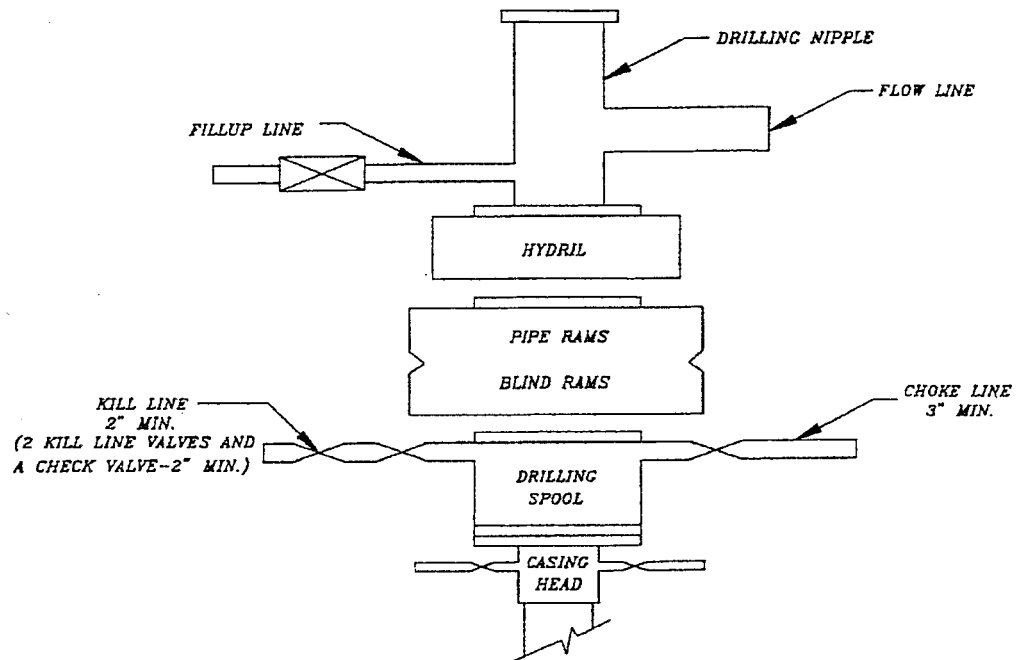
DATE:

DRILLING SUPERINTENDENT:

Randy Bayne

DATE:

5M BOP STACK and CHOKE MANIFOLD SYSTEM





Weatherford[®]

Drilling Services

Proposal



ANADARKO - KERR McGEE

NBU 922-18D3DS

UINTAH COUNTY, UTAH

WELL FILE: PLAN 1

SEPTEMBER 24, 2007

Weatherford International, Ltd.

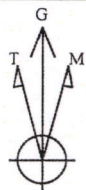
15710 John F. Kennedy Blvd

Houston, Texas 77032 USA

+1.281.260.1300 Main

+1.281.260.4730 Fax

www.weatherford.com



Azimuths to Grid North
True North: -0.97°
Magnetic North: 10.60°

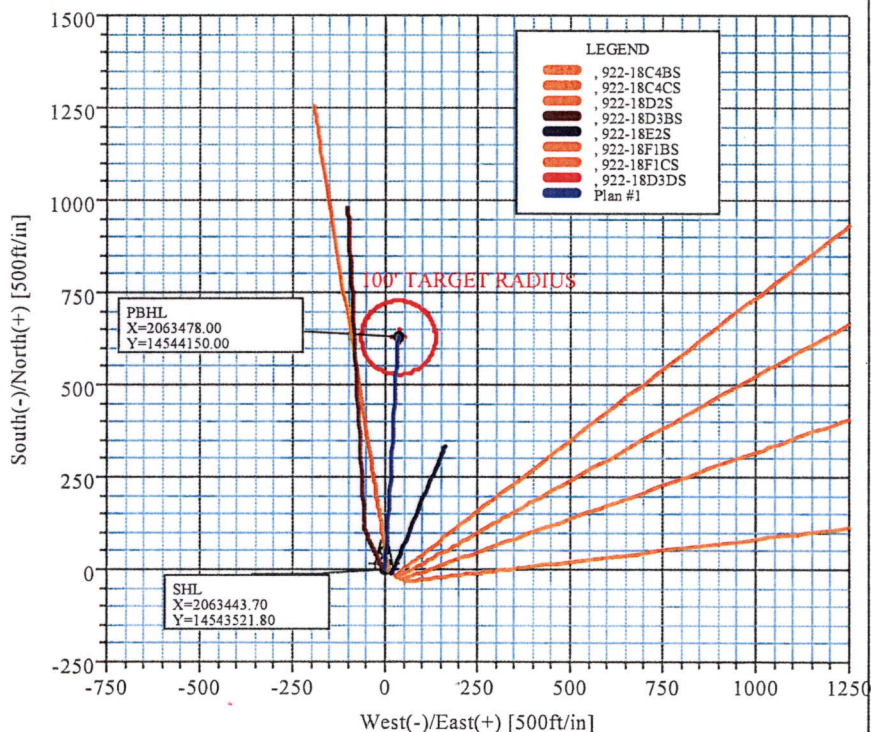
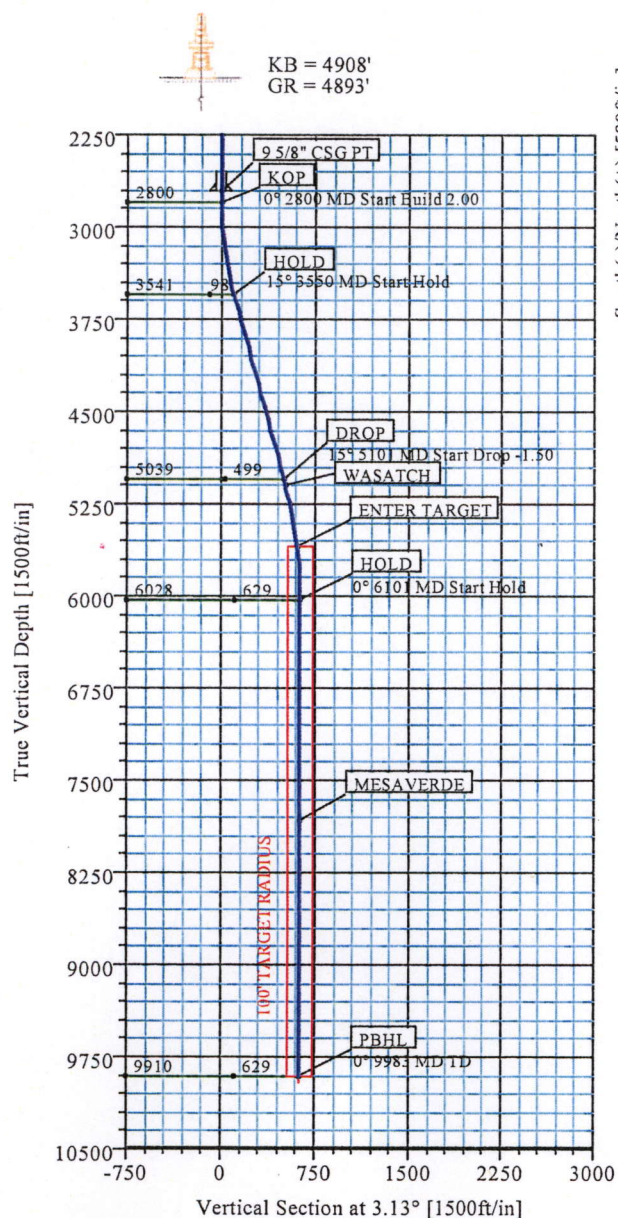
Magnetic Field
Strength: 52768nT
Dip Angle: 66.02°
Date: 9/25/2007
Model: bggm2006

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	IFace	VSec	Target
1	0.00	0.00	3.13	0.00	0.00	0.00	0.00	0.00	0.00	
2	2800.00	0.00	3.13	2800.00	0.00	0.00	0.00	3.13	0.00	
3	3550.00	15.00	3.13	3541.46	97.47	5.32	2.00	3.13	97.62	
4	5100.76	15.00	3.13	5039.38	498.24	27.20	0.00	0.00	498.98	
5	6100.76	0.00	3.13	6028.00	628.20	34.30	1.50	180.00	629.14	
6	9982.76	0.00	3.13	9910.00	628.20	34.30	0.00	0.00	629.14	PBHL

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
922-18D3DS	0.00	0.00	14543521.80	2063443.70	40°02'17.302N	109°29'19.295W	N/A



FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	5094.00	5157.20	WASATCH
2	7830.00	7902.76	MESAVERDE

FIELD DETAILS

UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)
Geodetic System: Universal Transverse Mercator (USfeet)
Ellipsoid: NAD27 (Clarke 1866)
Zone: UTM Zone 12, North 114W to 108W
Magnetic Model: bggm2006

System Datum: Mean Sea Level
Local North: Grid North

CASING DETAILS

No.	TVD	MD	Name	Size
1	2700.00	2700.00	9 5/8" CSG PT	9.625

Plan: Plan #1 (922-18D3DS/1)

Created By: L WINCHELL

Date: 9/26/2007

Weatherford Drilling Services

Directional Plan Report

Company: Anadarko-Kerr-McGee	Date: 9/26/2007	Time: 10:17:36	Page: 1
Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)	Co-ordinate(NE) Reference:	Site: NBU 922-18D3DS PAD CDEF	
Site: NBU 922-18D3DS PAD CDEF	Vertical (TVD) Reference:	Site: 4908.0	
Well: 922-18D3DS	Section (VS) Reference:	Well (0.00N,0.00E,3.13Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)

Map System: Universal Transverse Mercator (USfeet)
Geo Datum: NAD27 (Clarke 1866)
Sys Datum: Mean Sea Level

Map Zone: UTM Zone 12, North 114W to 108W
Coordinate System: Site Centre
Geomagnetic Model: bggm2006

Site: NBU 922-18D3DS PAD CDEF

1858' FNL 337' FWL SEC 18-T9S-R22E

Site Position:	Northing: 14543521.80 ft	Latitude: 40 2 17.302 N
From: Map	Easting: 2063443.70 ft	Longitude: 109 29 19.295 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 4893.00 ft		Grid Convergence: 0.97 deg

Well: 922-18D3DS

Slot Name:

Well Position:	+N/-S 0.00 ft	Northing: 14543521.80 ft	Latitude: 40 2 17.302 N
	+E/-W 0.00 ft	Easting: 2063443.70 ft	Longitude: 109 29 19.295 W
Position Uncertainty: 0.00 ft			

Wellpath: 1

Current Datum: SITE	Height 4908.00 ft	Drilled From: Surface
Magnetic Data: 9/25/2007		Tie-on Depth: 0.00 ft
Field Strength: 52768 nT		Above System Datum: Mean Sea Level
Vertical Section: Depth From (TVD)	+N/-S	Declination: 11.57 deg
ft	ft	Mag Dip Angle: 66.02 deg
		+E/-W
		Direction
		deg
0.00	0.00	0.00 3.13

Plan: Plan #1

Date Composed: 9/25/2007
Version: 1
Tied-to: From Surface

Principal: Yes

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	3.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2800.00	0.00	3.13	2800.00	0.00	0.00	0.00	0.00	0.00	3.13	
3550.00	15.00	3.13	3541.46	97.47	5.32	2.00	2.00	0.00	3.13	
5100.76	15.00	3.13	5039.38	498.24	27.20	0.00	0.00	0.00	0.00	
6100.76	0.00	3.13	6028.00	628.20	34.30	1.50	-1.50	0.00	180.00	
9982.76	0.00	3.13	9910.00	628.20	34.30	0.00	0.00	0.00	0.00	PBHL

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
2700.00	0.00	3.13	2700.00	0.00	0.00	0.00	0.00	14543521.80	2063443.70	9 5/8" CSG PT
2800.00	0.00	3.13	2800.00	0.00	0.00	0.00	0.00	14543521.80	2063443.70	KOP
2900.00	2.00	3.13	2899.98	1.74	0.10	1.75	2.00	14543523.54	2063443.80	
3000.00	4.00	3.13	2999.84	6.97	0.38	6.98	2.00	14543528.77	2063444.08	
3100.00	6.00	3.13	3099.45	15.67	0.86	15.69	2.00	14543537.47	2063444.56	
3200.00	8.00	3.13	3198.70	27.84	1.52	27.88	2.00	14543549.64	2063445.22	
3300.00	10.00	3.13	3297.47	43.46	2.37	43.52	2.00	14543565.26	2063446.07	
3400.00	12.00	3.13	3395.62	62.51	3.41	62.60	2.00	14543584.31	2063447.11	
3500.00	14.00	3.13	3493.06	84.97	4.64	85.10	2.00	14543606.77	2063448.34	
3550.00	15.00	3.13	3541.46	97.47	5.32	97.62	2.00	14543619.27	2063449.02	HOLD
3600.00	15.00	3.13	3589.76	110.39	6.03	110.56	0.00	14543632.19	2063449.73	
3700.00	15.00	3.13	3686.35	136.24	7.44	136.44	0.00	14543658.04	2063451.14	
3800.00	15.00	3.13	3782.94	162.08	8.85	162.32	0.00	14543683.88	2063452.55	
3900.00	15.00	3.13	3879.54	187.92	10.26	188.20	0.00	14543709.72	2063453.96	
4000.00	15.00	3.13	3976.13	213.77	11.67	214.08	0.00	14543735.57	2063455.37	

Weatherford Drilling Services

Directional Plan Report

Company: Anadarko-Kerr-McGee	Date: 9/26/2007	Time: 10:17:36	Page: 2
Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)	Co-ordinate(NE) Reference:	Site: NBU 922-18D3DS PAD CDEF	
Site: NBU 922-18D3DS PAD CDEF	Vertical (TVD) Reference:	Well: (0.00N,0.00E,3.13Azi)	
Well: 922-18D3DS	Section (VS) Reference:	Survey Calculation Method: Minimum Curvature	Db: Sybase
Wellpath: 1			

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
4100.00	15.00	3.13	4072.72	239.61	13.08	239.97	0.00	14543761.41	2063456.78	
4200.00	15.00	3.13	4169.31	265.45	14.49	265.85	0.00	14543787.25	2063458.19	
4300.00	15.00	3.13	4265.91	291.30	15.90	291.73	0.00	14543813.10	2063459.60	
4400.00	15.00	3.13	4362.50	317.14	17.32	317.61	0.00	14543838.94	2063461.02	
4500.00	15.00	3.13	4459.09	342.98	18.73	343.49	0.00	14543864.78	2063462.43	
4600.00	15.00	3.13	4555.68	368.83	20.14	369.38	0.00	14543890.63	2063463.84	
4700.00	15.00	3.13	4652.28	394.67	21.55	395.26	0.00	14543916.47	2063465.25	
4800.00	15.00	3.13	4748.87	420.51	22.96	421.14	0.00	14543942.31	2063466.66	
4900.00	15.00	3.13	4845.46	446.36	24.37	447.02	0.00	14543968.16	2063468.07	
5000.00	15.00	3.13	4942.05	472.20	25.78	472.90	0.00	14543994.00	2063469.48	
5100.00	15.00	3.13	5038.65	498.04	27.19	498.78	0.00	14544019.84	2063470.89	
5100.76	15.00	3.13	5039.38	498.24	27.20	498.98	0.00	14544020.04	2063470.90	DROP
5157.20	14.15	3.13	5094.00	512.42	27.98	513.19	1.50	14544034.22	2063471.68	WASATCH
5200.00	13.51	3.13	5135.56	522.64	28.54	523.42	1.50	14544044.44	2063472.24	
5300.00	12.01	3.13	5233.09	544.70	29.74	545.51	1.50	14544066.50	2063473.44	
5400.00	10.51	3.13	5331.16	564.19	30.81	565.04	1.50	14544085.99	2063474.51	
5500.00	9.01	3.13	5429.71	581.12	31.73	581.99	1.50	14544102.92	2063475.43	
5600.00	7.51	3.13	5528.67	595.47	32.51	596.36	1.50	14544117.27	2063476.21	
5665.82	6.52	3.13	5594.00	603.50	32.95	604.40	1.50	14544125.30	2063476.65	ENTER TARGET
5700.00	6.01	3.13	5627.97	607.23	33.15	608.13	1.50	14544129.03	2063476.85	
5800.00	4.51	3.13	5727.55	616.38	33.65	617.30	1.50	14544138.18	2063477.35	
5900.00	3.01	3.13	5827.33	622.93	34.01	623.86	1.50	14544144.73	2063477.71	
6000.00	1.51	3.13	5927.25	626.87	34.23	627.81	1.50	14544148.67	2063477.93	
6100.00	0.01	3.13	6027.24	628.20	34.30	629.14	1.50	14544150.00	2063478.00	
6100.76	0.00	0.00	6028.00	628.20	34.30	629.14	1.50	14544150.00	2063478.00	HOLD
6200.00	0.00	3.13	6127.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
6300.00	0.00	3.13	6227.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
6400.00	0.00	3.13	6327.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
6500.00	0.00	3.13	6427.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
6600.00	0.00	3.13	6527.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
6700.00	0.00	3.13	6627.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
6800.00	0.00	3.13	6727.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
6900.00	0.00	3.13	6827.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
7000.00	0.00	3.13	6927.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
7100.00	0.00	3.13	7027.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
7200.00	0.00	3.13	7127.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
7300.00	0.00	3.13	7227.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
7400.00	0.00	3.13	7327.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
7500.00	0.00	3.13	7427.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
7600.00	0.00	3.13	7527.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
7700.00	0.00	3.13	7627.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
7800.00	0.00	3.13	7727.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
7900.00	0.00	3.13	7827.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
7902.76	0.00	3.13	7830.00	628.20	34.30	629.14	0.00	14544150.00	2063478.00	MESAVERDE
8000.00	0.00	3.13	7927.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
8100.00	0.00	3.13	8027.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
8200.00	0.00	3.13	8127.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
8300.00	0.00	3.13	8227.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
8400.00	0.00	3.13	8327.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
8500.00	0.00	3.13	8427.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
8600.00	0.00	3.13	8527.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
8700.00	0.00	3.13	8627.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
8800.00	0.00	3.13	8727.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	

Company: Anadarko-Kerr-McGee Field: UTAH COUNTY, UTAH (UTM Zone 12N-NAD 27) Site: NBU 922-18D3DS PAD CDEF Well: 922-18D3DS Wellpath: 1	Date: 9/26/2007 Time: 10:17:36 Page: 3 Co-ordinate(NE) Reference: Site: NBU 922-18D3DS PAD CDEF Vertical (TVD) Reference: SITE 4908.0 Section (VS) Reference: Well (0.00N,0.00E,3.13Azi) Survey Calculation Method: Minimum Curvature Db: Sybase
---	--

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
8900.00	0.00	3.13	8827.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
9000.00	0.00	3.13	8927.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
9100.00	0.00	3.13	9027.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
9200.00	0.00	3.13	9127.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
9300.00	0.00	3.13	9227.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
9400.00	0.00	3.13	9327.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
9500.00	0.00	3.13	9427.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
9600.00	0.00	3.13	9527.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
9700.00	0.00	3.13	9627.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
9800.00	0.00	3.13	9727.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
9900.00	0.00	3.13	9827.24	628.20	34.30	629.14	0.00	14544150.00	2063478.00	
9982.76	0.00	3.13	9910.00	628.20	34.30	629.14	0.00	14544150.00	2063478.00	PBHL

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude ---> Deg Min Sec			<--- Longitude ---> Deg Min Sec		
PBHL			9910.00	628.20	34.30	14544150.00	2063478.00	40	2	23.505 N	109	29	18.717 W
-Circle (Radius: 100)													
-Plan hit target													

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
2700.00	2700.00	9.625	9.625	9 5/8" CSG PT

Annotation

MD ft	TVD ft	
2800.00	2800.00	KOP
3550.00	3541.46	HOLD
5100.76	5039.38	DROP
5665.82	5594.00	ENTER TARGET
6100.76	6028.00	HOLD
9982.76	9910.00	PBHL

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
5157.20	5094.00	WASATCH		0.00	0.00
7902.76	7830.00	MESAVERDE		0.00	0.00

**NBU 922-18D3DS
SW/NW LOT 2, SEC. 18, T9S, R22E
UINTAH COUNTY, UTAH
UTU-0359**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Refer to the attached location directions.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. Planned Access Roads:

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

Approximately 170' +/- of access road is proposed. Please refer to the attached Topo Map B.

3. Location of Existing Wells Within a 1-Mile Radius:

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

Please see the Natural Buttes Unit SOP.

Approximately 20'' +/- of 10'' steel pipeline is proposed from the location to an existing pipeline. Refer to the attached Topo Map D.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon Brown (2.5Y 6/2), a non-reflective earthtone.

5. Location and Type of Water Supply:

Please see the Natural Buttes SOP.

6. Source of Construction Materials:

Please see the Natural Buttes SOP.

7. Methods of Handling Waste Materials:

Please see the Natural Buttes SOP.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E (*Request is in lieu of filing Form 3160-5, after initial production*).

8. **Ancillary Facilities:**

Please see the Natural Buttes SOP.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

Culverts will be installed where needed.

A run off diversion for drainage will be constructed where needed.

The reserve pit will be lined. When the reserve pit is closed the pit liner will be buried below plow depth.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

10. **Plans for Reclamation of the Surface:**

Please see the Natural Buttes SOP.

11. **Surface Ownership:**

The well pad and access road are located on lands owned by:

Ute Indian Tribe
P.O. Box 70
Fort Duchesne, Utah 84026
(435) 722-5141

12. **Other Information:**

A Class III Archaeological Survey Report has been conducted for this location and submitted to the Ute Indian Tribe prior to the on-site inspection.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within boundaries of the unit.

13. Lessee's or Operator's Representative & Certification:

Sheila Upchego
Senior Land Admin Specialist
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7024

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Indian Affairs Nationwide Bond #RLB0005239, Bureau of Land Management Nationwide Bond #WYB000291 and State of Utah Bond #RLB0005237.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.


Sheila Upchego

11/5/2007

Date

Kerr-McGee Oil & Gas Onshore LP
NBU #922-18C4CS, F1BS, F1CS, C4BS, E2S, D3DS,
D3BS, & D2S
SECTION 18, T9S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 1.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN RIGHT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 170' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 48.0 MILES.

orig.

Kerr-McGee Oil & Gas Onshore LP

NBU #922-18C4CS, F1BS, F1CS, C4BS, E2S, D3DS, D3BS, & D2S

LOCATED IN UINTAH COUNTY, UTAH
SECTION 18, T9S, R22E, S.L.B.&M.

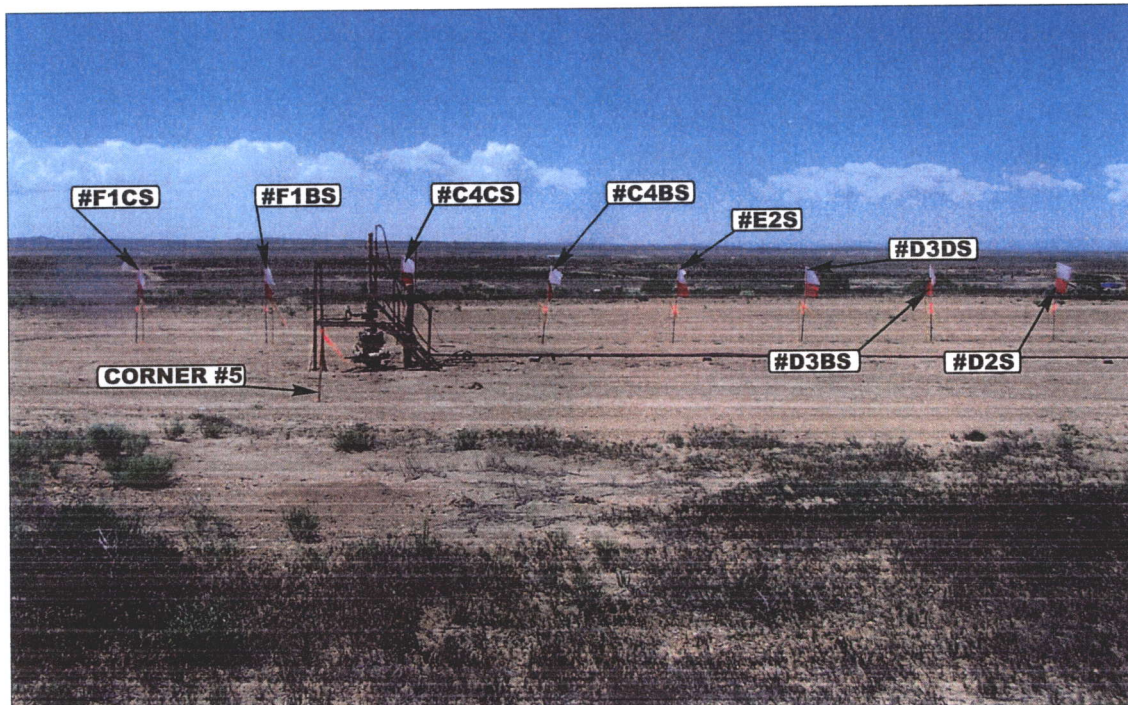


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKES

CAMERA ANGLE: SOUTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: EASTERLY



- Since 1964 -

UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

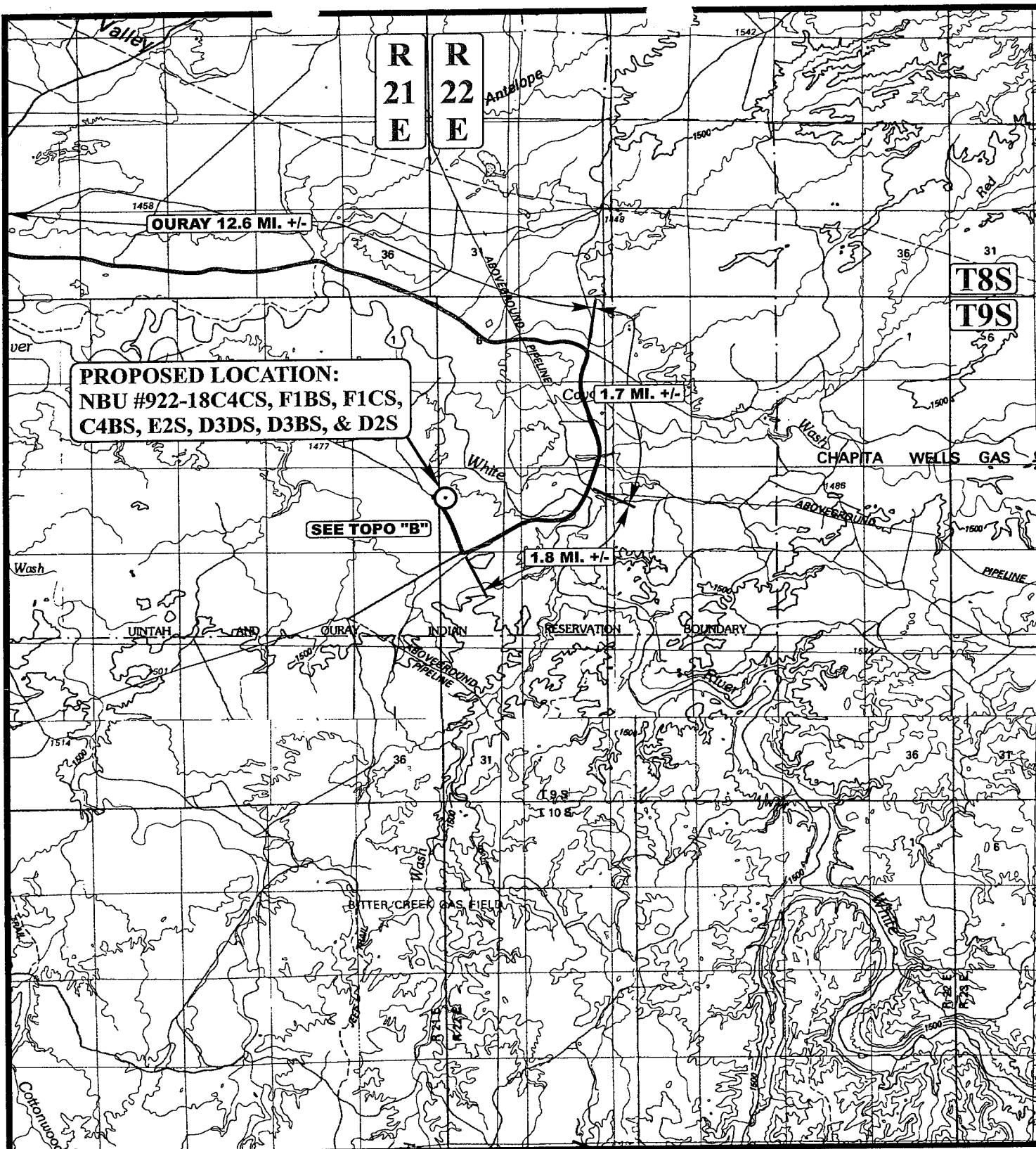
05 16 07
MONTH DAY YEAR

PHOTO

TAKEN BY: L.K.

DRAWN BY: C.P.

REVISED: 00-00-00



LEGEND:

○ PROPOSED LOCATION

Kerr-McGee Oil & Gas Onshore LP

NBU #922-18C4CS, F1BS, F1CS, C4BS, E2S, D3DS, D3BS, & D2S
SECTION 18, T9S, R22E, S.L.B.&M.
LOT 2



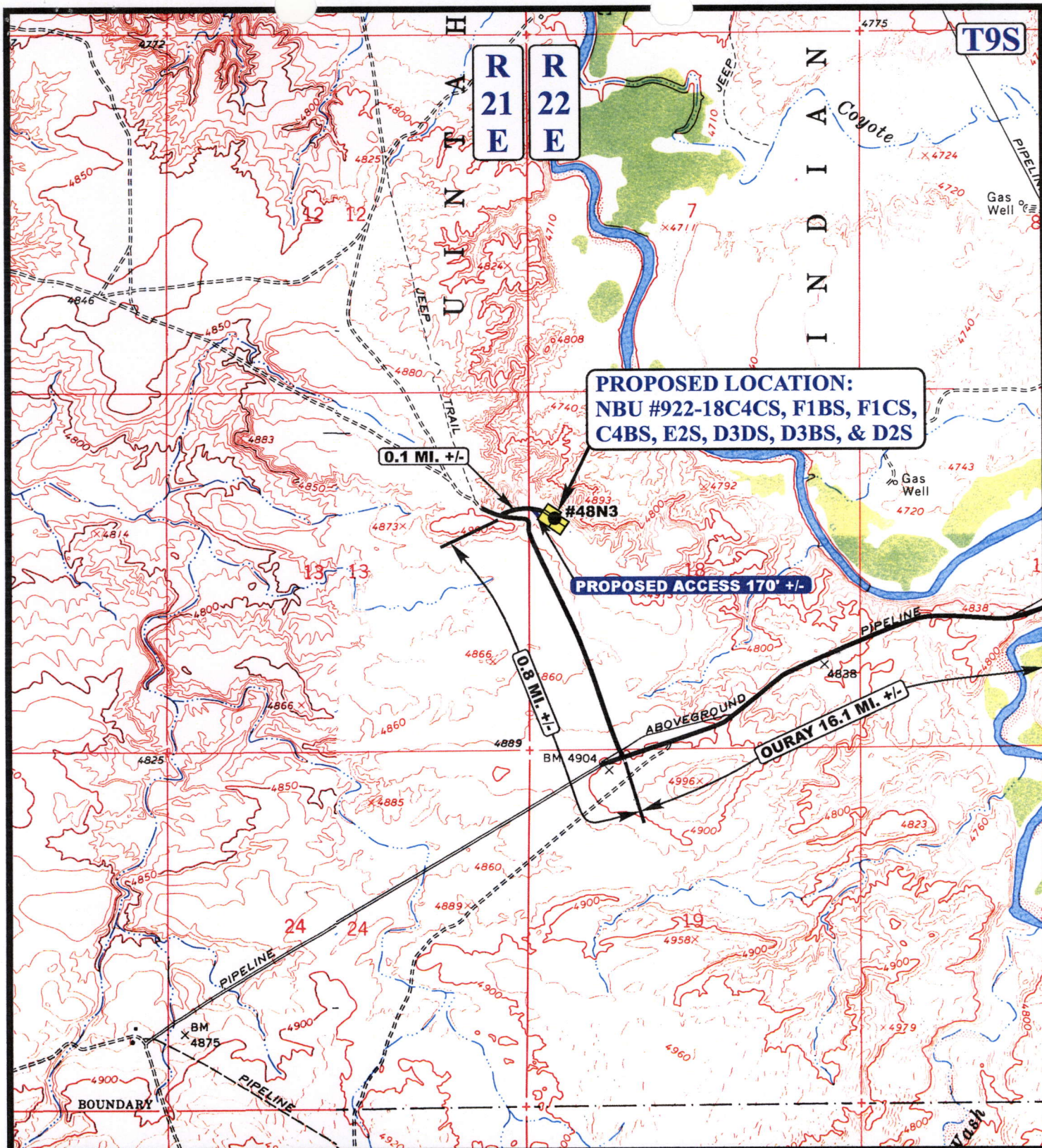
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

05 16 07
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 00-00-00





LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD

Kerr-McGee Oil & Gas Onshore LP

NBU #922-18C4CS, F1BS, F1CS, C4BS, E2S, D3DS, D3BS, & D2S
SECTION 18, T9S, R22E, S.L.B.&M.
LOT 2



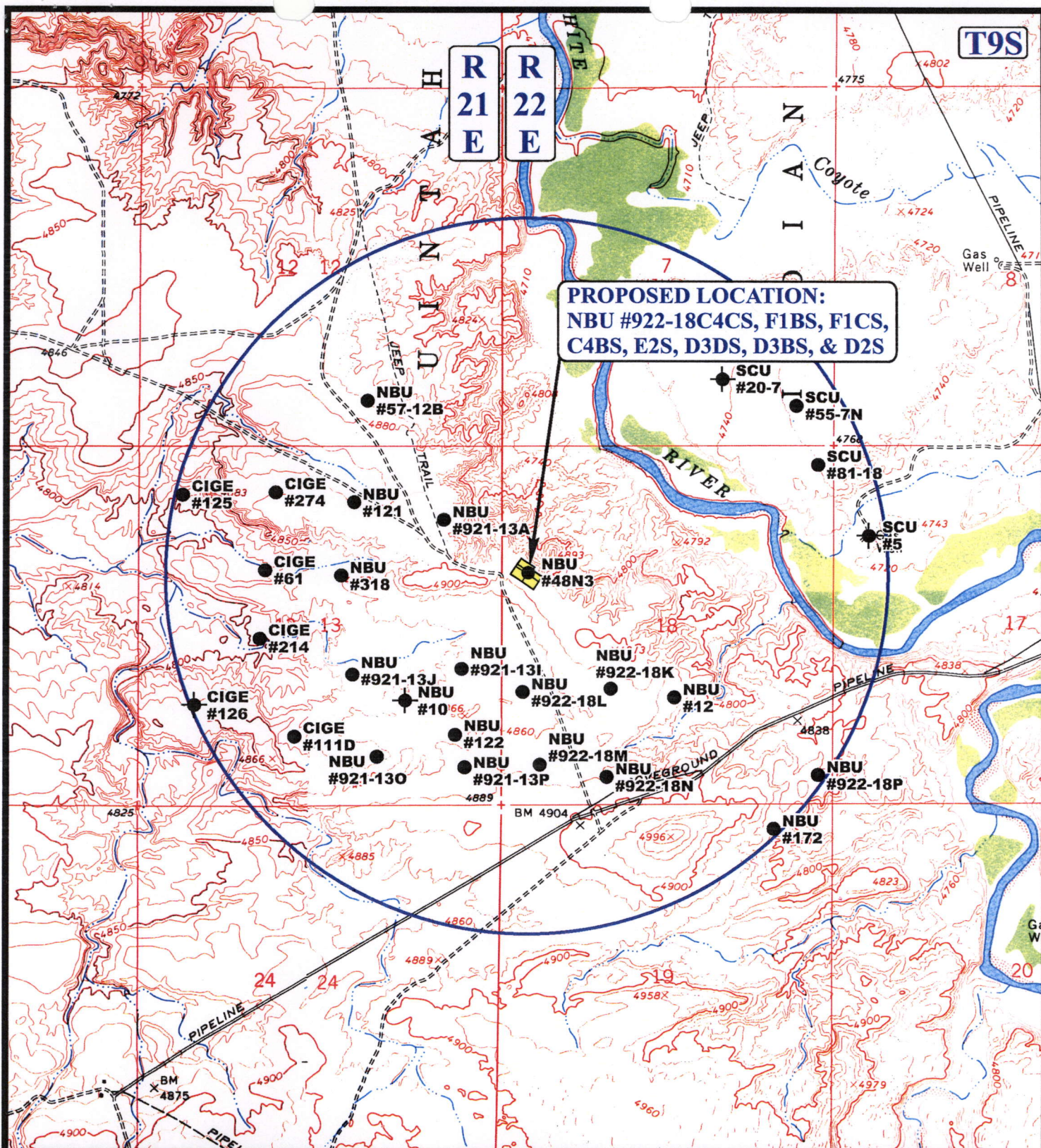
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP







05 16 07
MONTH DAY YEAR

B
TOPO

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00



LEGEND:

- | | |
|---|---|
|  DISPOSAL WELLS |  WATER WELLS |
|  PRODUCING WELLS |  ABANDONED WELLS |
|  SHUT IN WELLS |  TEMPORARILY ABANDONED |

Kerr-McGee Oil & Gas Onshore LP

**NBU #922-18C4CS, F1BS, F1CS, C4BS, E2S, D3DS, D3BS, &D2S
SECTION 18, T9S, R22E, S.L.B.&M.
LOT 2**



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813



TOPOGRAPHIC MAP

05	16	07
MONTH	DAY	YEAR

SCALE: 1" = 2000'

DRAWN BY: C.P.

REVISÉ: 00-00-00

C
TOPO

D
TOPO

Kerr-McGee Oil & Gas Onshore LP
NBU #922-18C4CS, F1BS, F1CS, C4BS, E2S, D3DS, D3BS, & D2S
PIPELINE ALIGNMENT
LOCATED IN UINTAH COUNTY, UTAH
SECTION 18, T9S, R22E, S.L.B.&M.

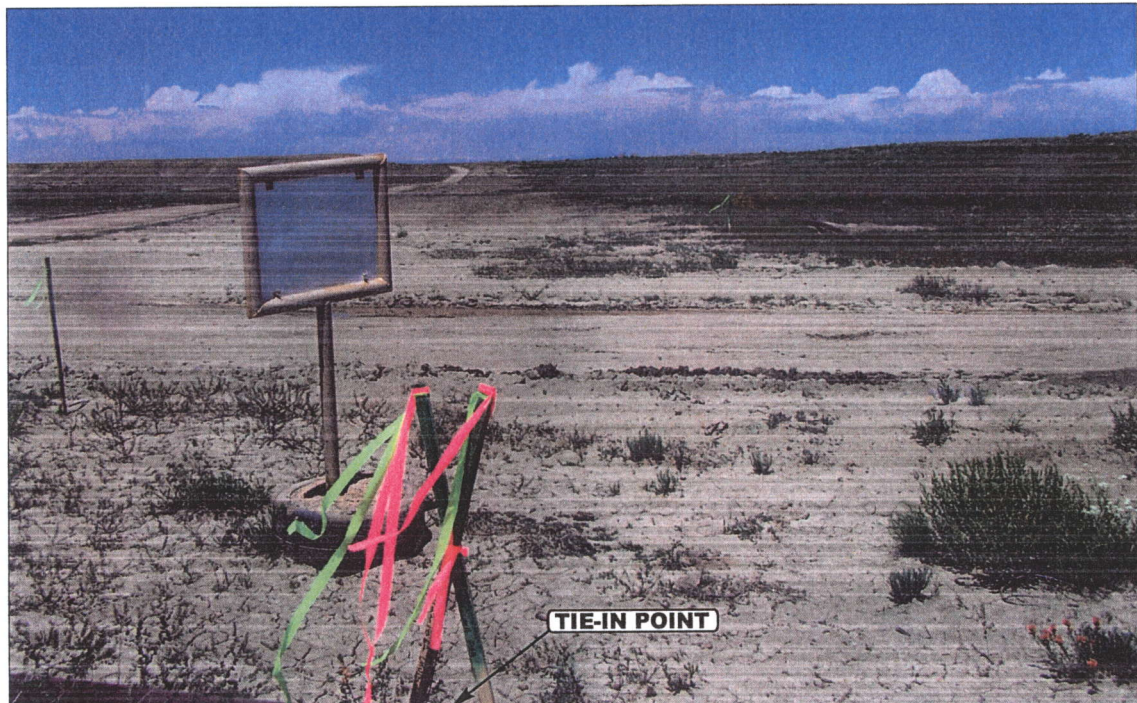


PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: NORTHWESTERLY



- Since 1964 -

UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

PIPELINE PHOTOS

05 16 07
MONTH DAY YEAR

PHOTO

TAKEN BY: L.K.

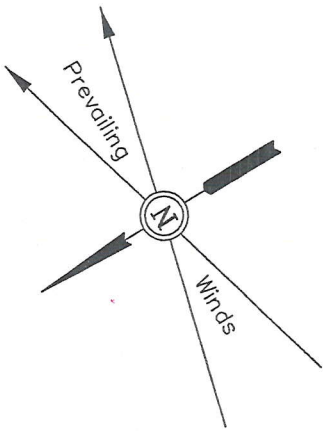
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REVISED: 00-00-00

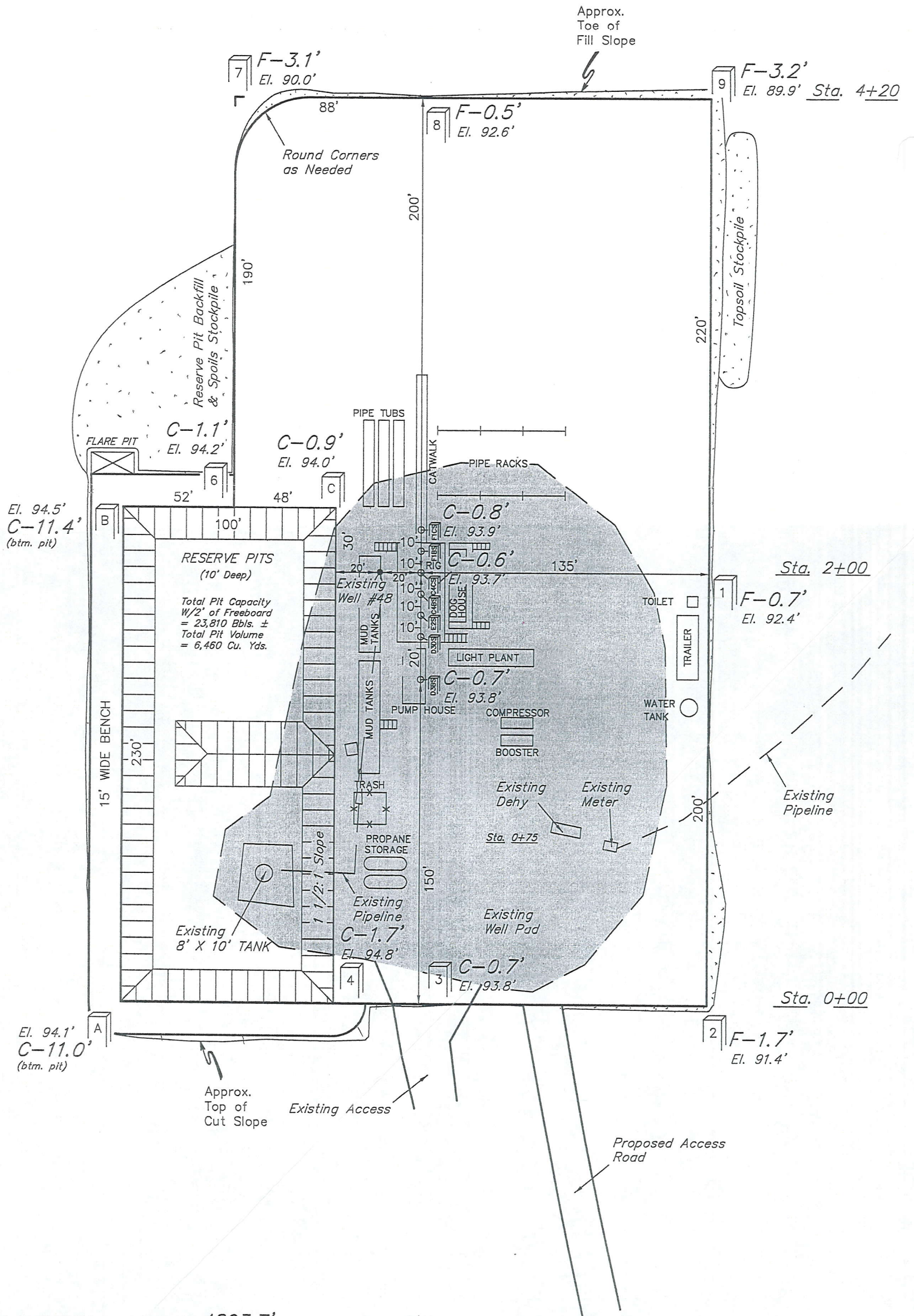
Kerr-McGee Oil & Gas Onshore LP

SITE PLAN LAYOUT FOR

NBU #922-18C4CS, F1BS, F1CS, C4BS, E2S, D3DS, & D3BS
SECTION 18, T9S, R22E, S.L.B.&M.
LOT2



SCALE: 1" = 50'
DATE: 5-18-07
Drawn By: C.H.
REV: 10-22-07



NOTES:

Elev. Ungraded Ground At #18C4CS Loc. Stake = 4893.7'
FINISHED GRADE ELEV. AT #18C4CS LOC. STAKE = 4893.1'

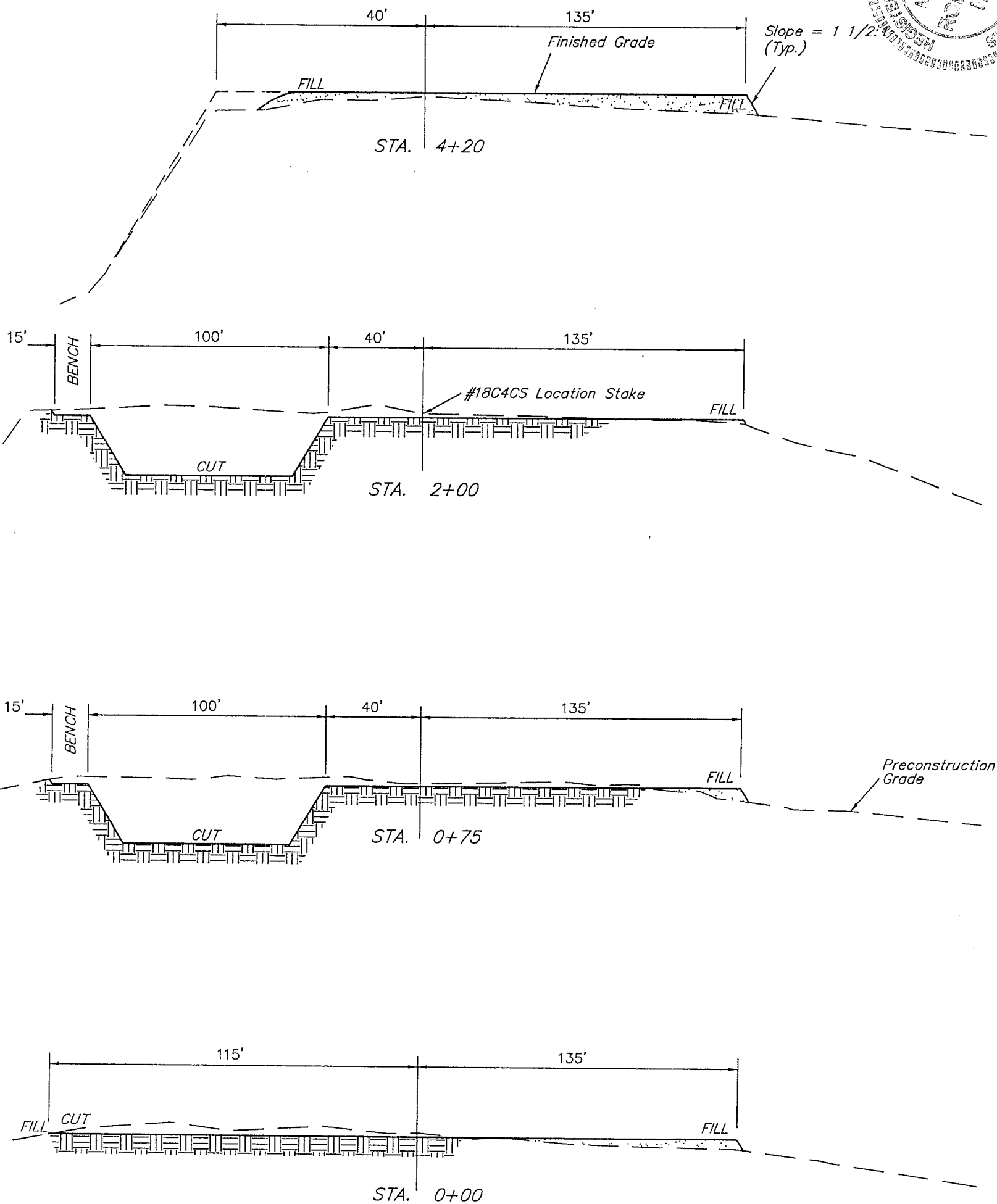
Kerr-McGee Oil & Gas Onshore LP

TYPICAL CROSS SECTIONS FOR

NBU #922-18C4CS, F1BS, F1CS, C4BS, E2S, D3DS, & D3BS
SECTION 18, T9S, R22E, S.L.B.&M.
LOT2

FIGURE #2

1" = 20'
X-Section
Scale
1" = 50'
DATE: 5-18-07
Drawn By: C.H.
REV: 10-22-07



NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

* NOTE:

FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

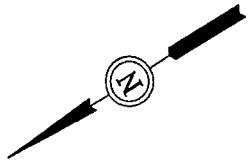
CUT
(12") Topsoil Stripping = 4,410 Cu. Yds.
Remaining Location = 6,670 Cu. Yds.
TOTAL CUT = 11,080 CU.YDS.
FILL = 3,440 CU.YDS.

EXCESS MATERIAL = 7,640 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.) = 7,640 Cu. Yds.
EXCESS UNBALANCE = 0 Cu. Yds.
(After Interim Rehabilitation)

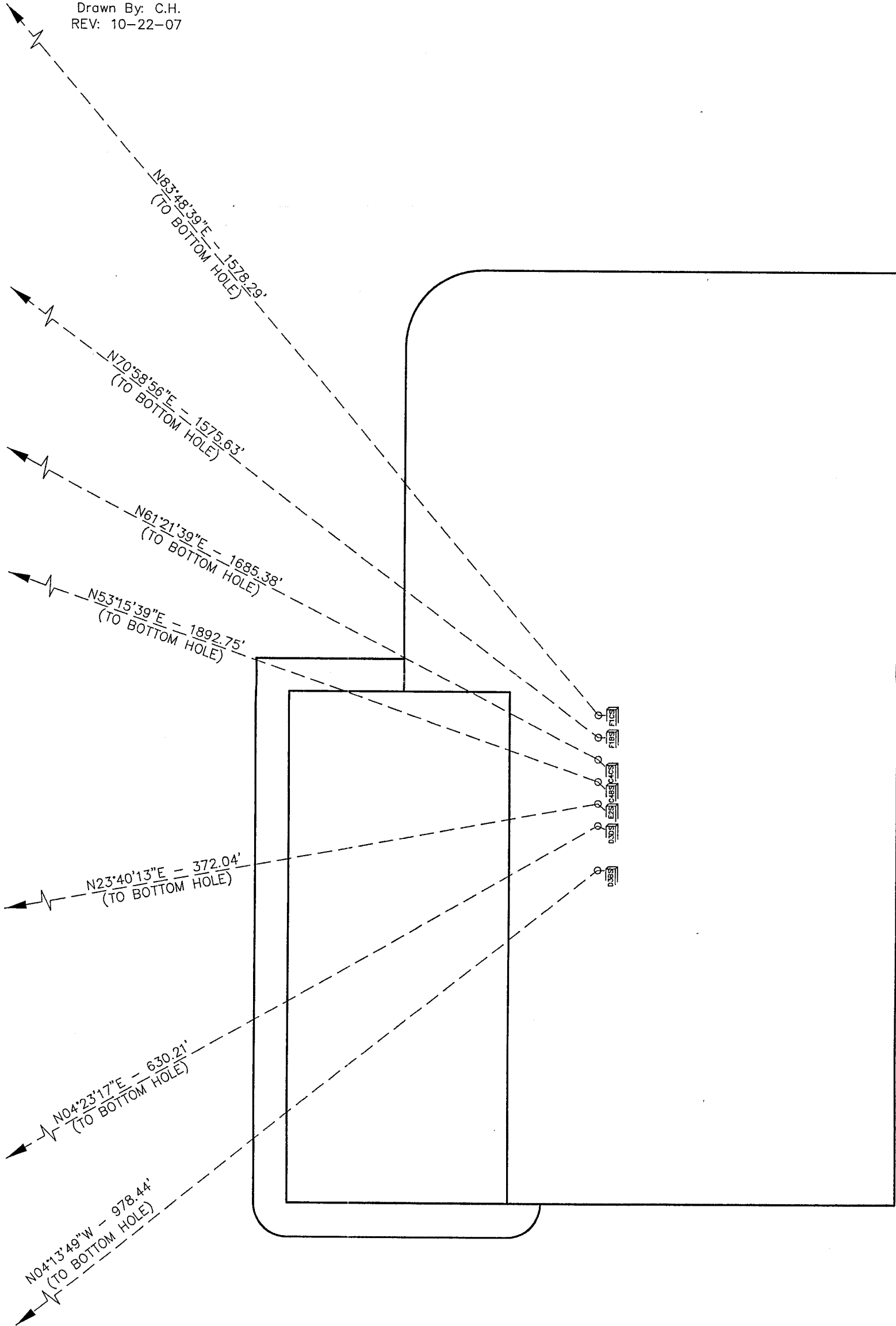
Kerr-McGee Oil & Gas Onshore LP

SITE PLAN LAYOUT FOR

NBU #922-18C4CS, F1BS, F1CS, C4BS, E2S, D3DS, & D3BS
SECTION 18, T9S, R22E, S.L.B.&M.
LOT2



SCALE: 1" = 50'
DATE: 5-18-07
Drawn By: C.H.
REV: 10-22-07



WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/03/2007

API NO. ASSIGNED: 43-047-39804

WELL NAME: NBU 922-18D3DS

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

PHONE NUMBER: 435-781-7024

CONTACT: SHEILA UPCHEGO

PROPOSED LOCATION:

SWNW 18 090S 220E

SURFACE: 1864 FNL 0346 FWL

BOTTOM: 1230 FNL 0385 FWL

COUNTY: Uintah

LATITUDE: 40.03813 LONGITUDE: -109.4887

UTM SURF EASTINGS: 628941 NORTHINGS: 4432873

FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-0359

SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. RLB0005239)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. 43-8496)
☒ RDCC Review (Y/N)
(Date:)
☒ Fee Surf Agreement (Y/N)
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

☐ R649-2-3.
Unit: NATURAL BUTTES
☐ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
☐ R649-3-3. Exception
☒ Drilling Unit
Board Cause No: 173-14
Eff Date: 12-2-1999
Siting: 460' for wellbore & uncomm. Tracts
☒ R649-3-11. Directional Drill

COMMENTS:

See, Separate file

STIPULATIONS:

*1- Federal Approval
2- Oil State*

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

December 10, 2007

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2007 Plan of Development Natural Buttes Unit
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2007 within the Natural Buttes Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Wasatch/MesaVerde)		
43-047-39803	NBU 922-18E3BS Sec 18	T09S R22E 2535 FSL 1240 FWL
	BHL Sec 18	T09S R22E 2206 FNL 0294 FWL
43-047-39804	NBU 922-18D3DS Sec 18	T09S R22E 1864 FNL 0346 FWL
	BHL Sec 18	T09S R22E 1230 FNL 0385 FWL
43-047-39805	NBU 922-18F4BS Sec 18	T09S R22E 2545 FSL 1223 FWL
	BHL Sec 18	T09S R22E 2060 FSL 1871 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Natural Buttes Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:12-10-07



Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217

August 13, 2008

Mrs. Diana Mason
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, UT 84114-6100

Re: Directional Drilling R649-3-11
NBU 922-18D3DS
T9S R22E
Section 18: SWNWNW
SWNW, Lot 2, 1864' FNL, 346' FWL (surface)
SWNWNW, Lot 1, 1230' FNL, 385' FWL (bottom hole)
Uintah County, Utah

Dear Mrs. Mason:

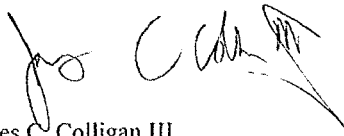
Pursuant to the filing of Kerr-McGee Oil & Gas Onshore LP's (Kerr-McGee) Application for Permit to Drill regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the Exception to Location and Siting of Wells.

- Kerr-McGee's NBU 922-18D3DS is located within the Natural Buttes Unit area.
- Kerr-McGee is permitting this well as a directional well in order to minimize surface disturbance. Locating the well at the surface location and directionally drilling from this location, Kerr-McGee will be able to utilize the existing road and pipelines in the area.
- Furthermore, Kerr-McGee certifies that it is the sole working interest owner within 460 feet of the entire directional well bore and the W/2, W/2NE/4 and SE/4 of Section 18 (federal leases USA UTU-0359, USA-UTU 0359-A and USA-UTU 0461).

Therefore, based on the above stated information Kerr-McGee Oil & Gas Onshore LP requests the permit be granted pursuant to R649-3-11.

Sincerely,

KERR-MCGEE OIL & GAS ONSHORE LP



James C. Colligan III
Landman



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

August 20, 2008

Kerr-McGee Oil and Gas Onshore LP
1368 S 1200 E
Vernal, UT 84078

Re: NBU 922-18D3DS Well, Surface Location 1864' FNL, 346' FWL, SW NW, Sec. 18,
T. 9 South, R. 22 East, Bottom Location 1230' FNL, 385' FWL, NW NW, Sec. 18,
T. 9 South, R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39804.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal Office

Operator: Kerr-McGee Oil and Gas Onshore LP
Well Name & Number NBU 922-18D3DS
API Number: 43-047-39804
Lease: UTU-0359

Surface Location: SW NW Sec. 18 T. 9 South R. 22 East
Bottom Location: NW NW Sec. 18 T. 9 South R. 22 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division with 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.
- 6 In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

RECEIVED

NOV - 7 2007

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

BLM
UTU-0359

6. If Indian, Allottee or Tribe Name
TRIBAL SURFACE

7. If Unit or CA Agreement, Name and No.

UNIT #891008900A

8. Lease Name and Well No.
NBU 922-18D3DS

9. API Well No.

43 047 39804

10. Field and Pool, or Exploratory
NATURAL BUTTES

11. Sec., T., R., M., or Blk. and Survey or Area

SEC. 18, T9S, R22E

12. County or Parish
UINTAH

13. State
UTAH

1a. Type of Work: ☒ DRILL

☐ REENTER

b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone

2. Name of Operator

KERR MCGEE OIL AND GAS ONSHORE LP

3A. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Report location clearly and in accordance with any State requirements. *)

At surface SW/NW 1864'FNL, 346'FWL (LOT 2)

At proposed prod. Zone NW/NW 1230'FNL, 385'FWL (LOT 1)

14. Distance in miles and direction from nearest town or post office*

17 +/- MILES FROM OURAY, UTAH

15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any)

337'

16. No. of Acres in lease

162.39

17. Spacing Unit dedicated to this well

40.00

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft.

REFER TO
TOPO C

19. Proposed Depth

9983'

20. BLM/BIA Bond No. on file

RLB0005239

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

4894'GL

22. Approximate date work will start*

UPON APPROVAL

23. Estimated duration

TO BE DETERMINED

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the
SUPO shall be filed with the appropriate Forest Service Office.

4. Bond to cover the operations unless covered by an existing bond on file (see
Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the
authorized office.

25. Signature

Title

SENIOR LAND ADMIN SPECIALIST

Name (Printed/Typed)

SHEILA UPCHEGO

Date

11/16/2007

Approved by (Signature)

Title

Assistant Field Manager
Lands & Mineral Resources

Name (Printed/Typed)

JERRY KENZIS

Office

VERNAL FIELD OFFICE

SEP 08 2008

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct
operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United
States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

NOTICE OF APPROVAL

UDOGM

RECEIVED

SEP 16 2008

DIV. OF OIL, GAS & MINING

No NOS
08MIC0100A



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Kerr-McGee Oil & Gas Onshore, LP **Location:** LOT 2, Sec. 18, T9S, R22E (S)
LOT 1, Sec. 18, T9S, R22E (B)
Well No: NBU 922-18D3DS **Lease No:** UTU-359
API No: 43-047-39804 **Agreement:** Natural Buttes Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	(435) 828-4029
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Construction Activity	-	The Ute Tribe Energy & Minerals Dept. shall be notified in writing 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion	-	Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

Surface COAs:

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

SITE SPECIFIC COAs:

Additional Stipulations:

None

General Conditions of Approval

- A 30' foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROW's.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.

- The Company will implement “Safety and Emergency Plan.” The Company’s safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD’s and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations shall be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel shall refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department shall be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.
- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.

Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

DOWNHOLE CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- A surface casing shoe integrity test shall be performed.
- Production casing cement top shall be at a minimum of 200' above the surface casing shoe.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each

encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Wellogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Serial No. UTU-0359
2. Name of Operator Kerr-McGee Oil & Gas Onshore, LP	6. If Indian, Allottee, or Tribe Name Ute Tribe
3a. Address P.O. Box 173779, Denver, CO 80217-3779	7. If Unit or CA. Agreement Name and/or No. UTU-63047A
3b. Phone No. (include area code) 720.929.6226	8. Well Name and No. NBU 922-18D3DS
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SW NW Sec. 18 T 9S R 22E 1886 FNL 379 FWL	9. API Well No. 43-047-39804
	10. Field and Pool, or Exploratory Area Natural Buttes
	11. County or Parish, State Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	Surface Location
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/ BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamantion, have been completed, and the operator has determined that the site is ready for final inspection.)

Kerr-McGee Oil & Gas Onshore, LP, respectfully notifies that the center stakes for the surface location have been moved to SWNW 1886' FNL & 379' FWL. The bottomhole location has been changed.

Approved by
Utah Division of
Oil, Gas and Mining

628951X
44328674

40.038876
- 109.488548

COPY SENT TO OPERATOR

Date: 12-01-08
By: [Signature]

Federal Approval of this
Action is Necessary

Date: 12-4-2008
Initials: KS

14. I hereby certify that the foregoing is true and correct.
Name (Printed/ Typed)

Kevin McIntyre

Title

Regulatory Analyst

Signature

Date

11/12/08

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

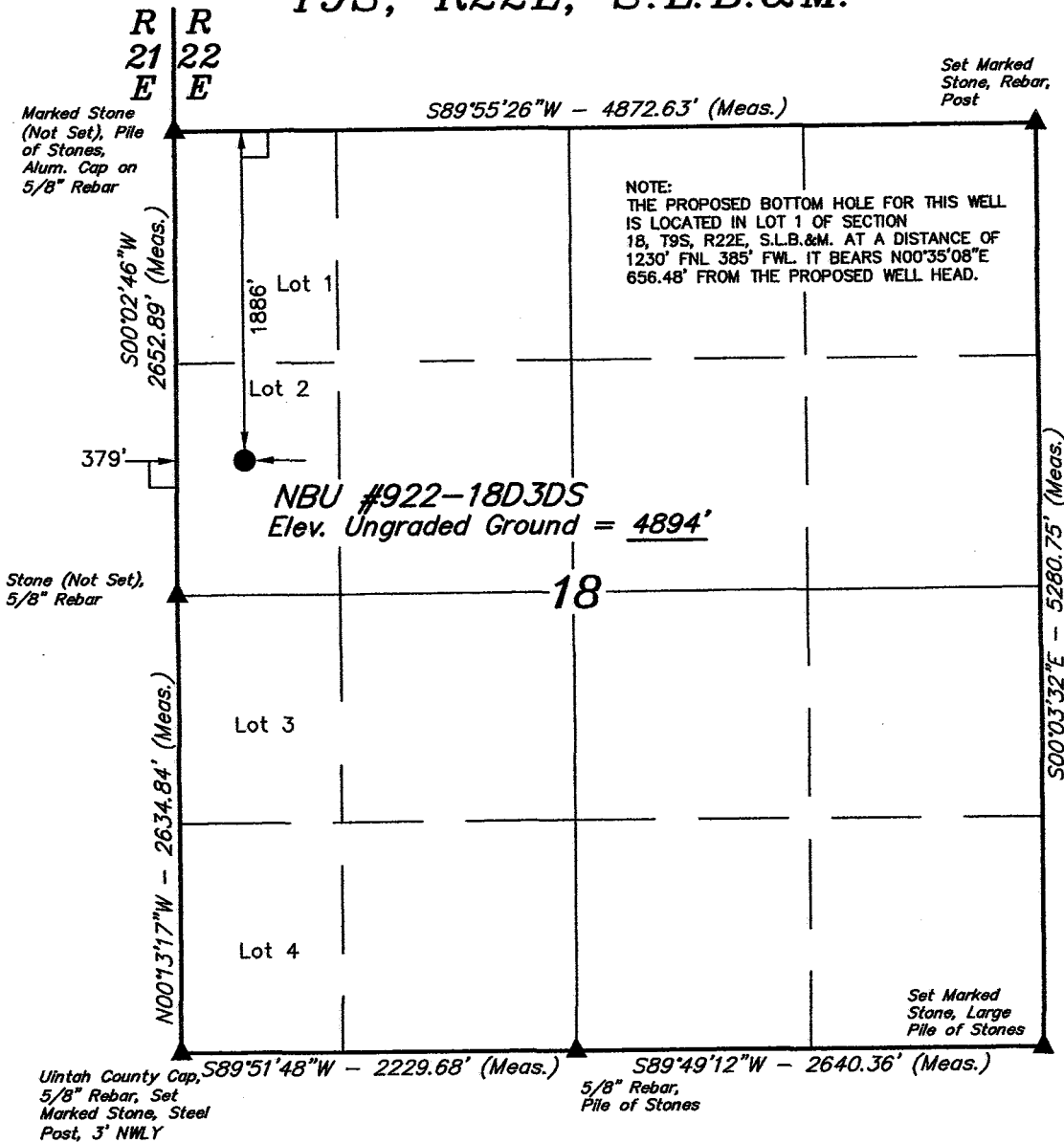
(Instructions on page 2)

RECEIVED

NOV 17 2008

DIV. OF OIL, GAS & MINING

T9S, R22E, S.L.B.&M.



LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°02'23.53" (40.039869)	LATITUDE = 40°02'17.05" (40.038069)
LONGITUDE = 109°29'21.67" (109.489353)	LONGITUDE = 109°29'21.75" (109.489375)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°02'23.66" (40.039906)	LATITUDE = 40°02'17.18" (40.038106)
LONGITUDE = 109°29'19.20" (109.488667)	LONGITUDE = 109°29'19.28" (109.488689)

Kerr-McGee Oil & Gas Onshore LP

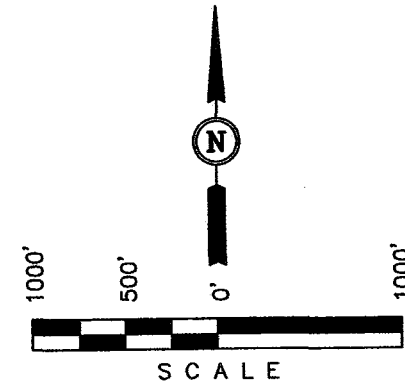
Well location, NBU #922-18D3DS, located as shown in Lot 2 of Section 18, T9S, R22E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK (20EAM) LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

ROBERT J. KAY
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REV: 10-22-07

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 05-07-07	DATE DRAWN: 05-17-07
PARTY D.K. L.K. C.H.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE Kerr-McGee Oil & Gas Onshore LP	



Kerr-McGee Oil & Gas Onshore LP
1999 Broadway, Suite 3700
Denver, CO 80205

July 30, 2008

Mrs. Diana Mason
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, UT 84114-6100

Re: Directional Drilling R649-3-11
NBU 922-18D3DS
T9S-R22E
Section 18: Lot 1 (NWNW)
Surface: 1886' FNL, 379' FWL
Bottom Hole: 1230' FNL, 385' FWL
Uintah County, Utah

Dear Mrs. Mason:

Pursuant to the filing of Kerr-McGee Oil & Gas Onshore LP's (Kerr-McGee) Application for Permit to Drill regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the Exception to Location and Siting of Wells.

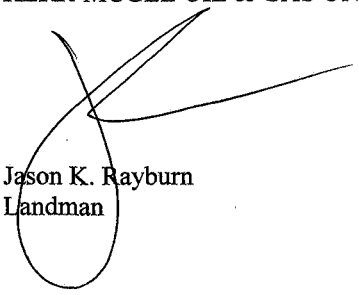
- Kerr-McGee's NBU 922-18D3DS is located within the Natural Buttes Unit area.
- Kerr-McGee is permitting this well as a directional well in order to minimize surface disturbance. Locating the well at the surface location and directionally drilling from this location, Kerr-McGee will be able to utilize the existing road and pipelines in the area.
- Furthermore, Kerr-McGee certifies that it is the sole working interest owner within 460 feet of the entire directional well bore.

Therefore, based on the above stated information Kerr-McGee Oil & Gas Onshore LP requests the permit be granted pursuant to R649-3-11.

Sincerely,

KERR-MCGEE OIL & GAS ONSHORE LP

Jason K. Rayburn
Landman

A handwritten signature in black ink, appearing to read 'Jason K. Rayburn', is written over the typed name and extends upwards and to the right.

RECEIVED

NOV 26 2008

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0359
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 922-18D3DS
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1886 FNL 0379 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 18 Township: 09.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047398040000
PHONE NUMBER: 720 929-6587 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: Uintah		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 5/29/2009 <input type="checkbox"/> DRILLING REPORT Report Date:	TYPE OF ACTION <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: _____ </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX. SPUD WELL LOCATION ON 05/29/2009 AT 0630 HRS.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 01, 2009		
NAME (PLEASE PRINT) Sheila Upchego		PHONE NUMBER 435 781-7024
SIGNATURE N/A		TITLE Regulatory Analyst
DATE 6/1/2009		

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0359
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 922-18D3DS
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1886 FNL 0379 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 18 Township: 09.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047398040000
PHONE NUMBER: 720 929-6587 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 6/6/2009	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: _____	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
MIRU ELENBURG RIG 12 ON 06/04/2009. DRILLED 12 1/4" SURFACE HOLE TO 2296'. RAN 9 5/8" 36# J-55 SURFACE CSG. PMP 270 SX HIFILL CLASS G @11.0 PPG 3.82 YIELD. TAILED CMT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DROP PLUG ON FLY AND DISPLACE W/213 BBLS OF FRESH WATER. 400 PSI OF LIFT @3 BBLS/MIN BUMP PLUG 430 PSI. PSI UP TO 810. FLOAT DID NOT HOLD. PSI UP TO 850 AND SI HEAD. RAN 200' OF 1" PIPE. MIX & PMP 200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN 1" PIPE. CMT TO SURFACE HOLE STAYED FULL. WORT.		
<div style="text-align: right;"> Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 10, 2009 </div>		
NAME (PLEASE PRINT) Sheila Upchego	PHONE NUMBER 435 781-7024	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 6/10/2009	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0359
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2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 922-18D3DS
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1886 FNL 0379 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 18 Township: 09.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047398040000
PHONE NUMBER: 720 929-6007 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: Uintah		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: _____
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 8/3/2009			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 FINISHED DRILLING FROM 2820' TO 10,045' ON 08/01/2009. RAN 4-1/2" 11.6# I-80 PRODUCTION CSG. CMT PRODUCTION CSG W/40 BBLS H2O, LEAD CMT W/630 SX PREM LITE @ 11.8 PPG 2.42 YIELD. TAILED CMT W/1260 SX CLASS G 50/50 POZ @ 14.3 PPG 1.31 YIELD. DROP PLUG AND DISPLACE W/155 BBLS H2O + ADDITIVES, LOSING RETURNS 110 BBLS INTO DISPLACEMENT. NO RETURNS 120 BBLS INTO DISPLACEMENT, LIFT PRESSURE @ 2560 PSI, BUMP PLUG W/3014 PSI-HOLD 5 MINUTES W/NO LOSS, PLUG DOWN @ 01:00 HRS. FLOATS HELD W/1.50 BBLS BACK TO INVENTORY. RELEASE H&P 298 RIG ON 08/03/2009 AT 03:00 HRS. THE PREVIOUS DRILLING OPERATIONS SUNDRY STATED THAT WE DRILLED SURFACE HOLE TO 2296.' THE SURFACE HOLE WAS SET TO 2820'.

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 8/4/2009

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0359
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2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 922-18D3DS
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PHONE NUMBER: 720 929-6007 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 1/19/2010	TYPE OF ACTION <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 1/19/2010 AT 11:00 A.M. CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH COMPLETION REPORT.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY January 21, 2010		
NAME (PLEASE PRINT) Andy Lytle		PHONE NUMBER 720 929-6100
SIGNATURE N/A		TITLE Regulatory Analyst
DATE 1/21/2010		

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			5. Lease Serial No. UTU0359		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			6. If Indian, Allottee or Tribe Name		
2. Name of Operator KERR-MCGEE OIL&GAS ONSHORE			7. Unit or CA Agreement Name and No. UTU63047A		
Contact: ANDY LYTLE Email: andrew.lytle@anadarko.com			8. Lease Name and Well No. NBU 922-18D3DS		
3. Address P.O. BOX 173779 DENVER, CO 80217		3a. Phone No. (include area code) Ph: 720-929-6100		9. API Well No. 43-047-39804	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SWNW 1886FNL 379FWL 40.03811 N Lat, 109.48869 W Lon At top prod interval reported below NWNW 1218FNL 384FWL At total depth NWNW 1246FNL 395FWL				10. Field and Pool, or Exploratory NATURAL BUTTES	
14. Date Spudded 05/29/2009				15. Date T.D. Reached 08/01/2009	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 01/19/2010				17. Elevations (DF, KB, RT, GL)* 4894 GL	
18. Total Depth: MD TVD 10045 9955		19. Plug Back T.D.: MD TVD 10021 9931		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GR/CBL-SDL/DSN/ACTR-BHV				22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)	

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	14.000 STEEL	36.7		40		28			
12.250	9.625 J-55	36.0		2813		670			
7.875	4.500 I-80	11.6		10064		1890		1700	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	9445							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	8037	9958	8037 TO 9958	0.360	328	OPEN
B) WSMVD						
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
8037 TO 9958	PMP 12,926 BBLS SLICK H2O & 491,559 LBS 30/50 SD.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
01/19/2010	01/24/2010	24	→	0.0	2132.0	531.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
20/64	1474	2367.0	→	0	2132	531		PGW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #81635 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

RECEIVED

FEB 22 2010

DIV. OF OIL, GAS & MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
GREEN RIVER MAHOGANY WASATCH MESAVERDE	1818 2475 5227 8023	8023 9967			

32. Additional remarks (include plugging procedure):

ATTACHED TO THIS WELL COMPLETION REPORT IS THE CHRONOLOGICAL WELL HISTORY AND FINAL SURVEY.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7 Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #81635 Verified by the BLM Well Information System.
For KERR-MCGEE OIL&GAS ONSHORE, LP, sent to the Vernal**

Name (please print) ANDY LYTLETitle REGULATORY ANALYSTSignature (Electronic Submission)Date 02/18/2010

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-18D3DS BLUE			Spud Conductor: 5/29/2009			Spud Date: 6/4/2009			
Project: UTAH-UINTAH			Site: NBU 922-18E PAD				Rig Name No: ELENBURG 12/12, H&P 298/298		
Event: DRILLING			Start Date: 4/23/2009				End Date: 8/3/2009		
Active Datum: RKB @4,920.00ft (above Mean Sea Leve			UWI: SW/NW/0/9/S/22/E/18/0/0/26/PM/N/1,886.00/W/0/379.00/0/0						
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation	
6/3/2009	18:30 - 22:30	4.00	MIRU	01	A	P		RIG DOWN, MOVE RIG 10' AHEAD, AND RIG UP.	
	22:30 - 0:00	1.50	MIRU	14	A	P		WELD ON CONDUCTOR/ ROT HEAD.	
6/4/2009	0:00 - 5:00	5.00	MIRU	01	B	P		RIG UP, INSTALL BOWIE LINE. AND MAKE DITCHES	
	5:00 - 6:30	1.50	DRLSUR	06	A	P		P/U BENT HOUSING MOTOR 1.86 SN 8079, M/U USED BIT 7015582 HC 507Z 7-18'S.12-1/4", P/U MWDS AND SCRIBE.	
	6:30 - 7:00	0.50	DRLSUR	02	D	P		DRILL F/ 51'- 70'.	
	7:00 - 7:30	0.50	DRLSUR	06	J	P		HANG OFF MWD, PRIME SECOND PUMP	
	7:30 - 8:00	0.50	DRLSUR	07	A	P		RIG SERVICE, TAKE OFF BACK BREAK	
	8:00 - 9:30	1.50	DRLSUR	02	D	P		DRILL 70'-189'.	
	9:30 - 10:30	1.00	DRLSUR	14	B	P		PULL 8" RUBBER AND INSTALL 6" RUBBER.	
	10:30 - 23:00	12.50	DRLSUR	02	D	P		DRILL SLIDE 189'-1178' , WOB12- 15K ROT 40, ON/OFF PSI 1000/700. DRILL SLIDE 3%. 2 1/2' TO SOUTH OF LINE.	
6/5/2009	0:00 - 4:30	4.50	DRLSUR	02	D	P		DRILL SLIDE 1178' TO 1456' (278'/62'/HR), WOB 12-15, RPM 30, ON/OFF PSI 1300/1000. GPM 680	
	4:30 - 5:00	0.50	DRLSUR	08	B	P		CHANGE OUT SWAB #1 PUMP.	
	5:00 - 0:00	19.00	DRLSUR	02	D			DRILL 1456' TO 2296' (840', 44'/HR) WOB 12-15 K, RPM 30, ON OFF PSI 1350/1050. GPM 680	
6/6/2009	0:00 - 14:00	14.00	DRLSUR	02	D	P		DRILL 2296'-2820' WOB 10-12K, RPM 30, ON/OFF PSI 1400/1200. @ 2600' THE MWD COULD NOT ESTABLISH TOOL FACE DUE TO RUNNING A RESISTER TO HELP INTERFERENCE BETWEEN RIGS. WE WERE STILL ABLE TO GET MWD SURVEYS. RAN LESS THEN 10 K ON BIT TO KEEP HOLE FROM INCREASING IN DEGREES. 6.7' TO SOUTH 5.7' TO WEST OF LINE.	
	14:00 - 14:30	0.50	CSG	05	F	P		CLEAN HOLE PUMP DOWN POLYMER SWEEP.	
	14:30 - 17:00	2.50	CSG	06	D	P		LAYDOWN DRILL STRING, BHA, LAYDOWN DIR.TOOLS, PULL MWD TOOL, BREAK OFF BIT (WILL RUN THIS BIT ON NEXT WELL) LD MUD MOTOR.	
	17:00 - 20:30	3.50	CSG	12	C	P		RIG UP TO RUN CSG, HOLD SAFETY MEETING AND RUN 64 JTS OF 9 5/8" 36# J-55 LT&C CSG. SHOE @ 2798' KB, FLOAT COLLAR @2757' KB. RUN 8 CENTRILIZERS EVERY 3 RD JT, FILL PIPE @ 500'.	
	20:30 - 21:00	0.50	CSG	05	D	P		CIRC DOWN CSG.	
	21:00 - 23:00	2.00	CSG	12	E	P		RIG UP PROPETRO CEMENTERS AND HOLD SAFETY MEETING. CATCH CIRC, START 270 SX OF 11# 3.82 YD 23 GAL/SK, PUMP 200 SX OF 15.8# 1.15 YD, 5 GAL/SK, DROP PLUG ON FLY AND DISPLACE W/ 213 BBLS OF FRESH, 400 PSI OF LIFT @3 BBLS/MIN, BUMP PLUG 430 PSI, PSI UP TO 840, FLOAT DID NOT HOLD. PSI UP TO 850 AND SHUT IN HEAD. MIX AND PUMP 200 SX OF 15.8#, 1.15 YD, 5 GAL SX 2 % CALC, DOWN 1".	
								CEMENT TO SURFACE. FELL 20' WILL TOP OUT ON NEXT WELL. TOPPED OUT NBU 922-18D3BS. BLM HAND JAKE BIRCHALL ON LOCATION.	
		23:00 - 0:00	1.00	CSG	13	A	P		WAIT ON CEMENT, RIG DOWN RIG.
6/7/2009	0:00 - 4:00	4.00	CSG	13	A	P		WAIT ON CEMENT. BECAUSE FLOAT DID NOT HOLD. RIGGED DOWN AND INSTALL CROWN A MATIC.	

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18D3DS BLUE		Spud Conductor: 5/29/2009	Spud Date: 6/4/2009
Project: UTAH-UINTAH		Site: NBU 922-18E PAD	Rig Name No: ELENBURG 12/12, H&P 298/298
Event: DRILLING		Start Date: 4/23/2009	End Date: 8/3/2009
Active Datum: RKB @4,920.00ft (above Mean Sea Leve UWI: SW/NW/0/9/S/22/E/18/0/0/26/PM/N/1,886.00/W/0/379.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
7/26/2009	4:00 - 5:00	1.00	RDMO	14	A	P		CUT OFF CONDUCTOR. BLEED OF CEMENTING HEAD, RIG DOWN HEAD, LD LANDING JT. RIG RELEASE 06/07/2009 05:00
	5:30 - 6:00	0.50	RDMO	01	E	P		PREPARE EQUIPMENT TO SKID
	6:00 - 6:30	0.50	RDMO	01	C	P		SKID EQUIPMENT F/ NBU 922-18D3BS - T/ NBU 922-18D3DS
	6:30 - 7:00	0.50	RDMO	01	B	P		RIG UP EQUIPMENT AFTER SKID
	7:00 - 7:30	0.50	PRSPD	14	A	P		NIPPLE UP B.O.P.E.
	7:30 - 8:00	0.50	PRSPD	09	A	P		SLIP & CUT 82' OF DRILLING LINE / VISUALLY INSPECT DRILL LINE
	8:00 - 13:00	5.00	PRSPD	15	A	P		PRESSURE TEST PIPE RAMS, BLIND RAMS, IBOP, FLOOR VALVE, KILL LINES & KILL LINE VALVES, BOP WING VALVES, HCR VALVE + CHOKE LINE; INNER AND OUTER CHOKE VALVES & MANIFOLD TO 250 PSI LOW @ 5 MINUTES + 5000 PSI HIGH @ 10 MINUTES / TEST ANNULAR TO 250 PSI LOW @ 5 MINUTES + 2500 PSI HIGH @ 10 MINUTES / TEST SUPER CHOKE + SURFACE CASING TO 1500 PSI @ 30 MINUTES - MAKE REPAIRS AS NEEDED (RAM DOORS LEAKING) / FUNCTION TEST CLOSING UNIT - PASSED
	13:00 - 13:30	0.50	PRSPD	14	B	P		INSTALL WEAR BUSHING
	13:30 - 16:30	3.00	PRSPD	06	A	P		PICK UP BIT #1, MOTOR (.22 @ 1.83 DEG) & M.W.D. TOOLS / ORIENTATE & SHALLOW TEST M.W.D. TOOLS / T.I.H. / INSTALL ROTATING HEAD / TAG CEMENT @ 2695'
	16:30 - 17:30	1.00	PRSPD	02	F	P		BREAK CIRCULATION / TEST PUMPS & LINES TO 2500 P.S.I. / DRILL FLOAT, CEMENT & SHOE
7/27/2009	17:30 - 0:00	6.50	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/ 2835' - T/ 3395' = 560' @ 86.15 FPH / WOB 17/19 / RPM TOP DRV 30-35 / MTR 104 RPM / PUMP SPM 105 = 472 GPM / SPP ON/OFF 1620-1300 / TQ ON/OFF 6/1K / PU/SO/ROT 112/102/108 / H2O + POLY / WEIGHTED SWEEPS / SLID 148' IN 2.44 HRS = 29.4% OF FOOTAGE 38.7% OF HRS DRILLED
	0:00 - 6:00	6.00	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/ 3395' - T/ 3887' = 492' @ 82.0 FPH / WOB 17/18 / RPM TOP DRV 30-35 / MTR 104 RPM / PUMP SPM 105 = 472 GPM / SPP ON/OFF 1660/1325 / TQ ON/OFF 6K/2K / PU/SO/ROT 120/108/114 / H2O + POLY / SLID 76' IN 1.67 HOURS = 15% OF FOOTAGE & 27.8% OF HRS DRILLED
	6:00 - 16:30	10.50	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/ 3887' - T/ 4598' = 711' @ 67.7 FPH / WOB 17/19 / RPM TOP DRV 35-40 / MTR 104 RPM / PUMP SPM 105 = 472 GPM / SPP ON/OFF 1715/1330 / TQ ON/OFF 8K/3K / PU/SO/ROT 150/107/126 / H2O + POLY / SLID 252' IN 5.25 HOURS = 35.4% OF FOOTAGE & 50% OF HRS DRILLED
	16:30 - 17:00	0.50	DRLPRO	07	A	P		SERVICE RIG & EQUIPMENT / WORK PIPE RAMS / VISUAL INSPECT B.O.P.E.
	17:00 - 0:00	7.00	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/ 4598' - T/ 5069' = 471' @ 67.3 FPH / WOB 18/20 / RPM TOP DRV 35-40 / MTR 104 RPM / PUMP SPM 105 = 472 GPM / SPP ON/OFF 1780/1430 / TQ ON/OFF 9K/4K / PU/SO/ROT 154/117/136 / H2O + POLY / SLID 140' IN 3.0 HOURS = 29.7% OF FOOTAGE & 42.8% OF HRS DRILLED

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-18D3DS BLUE	Spud Conductor: 5/29/2009	Spud Date: 6/4/2009
Project: UTAH-UINTAH	Site: NBU 922-18E PAD	Rig Name No: ELENBURG 12/12, H&P 298/298
Event: DRILLING	Start Date: 4/23/2009	End Date: 8/3/2009
Active Datum: RKB @4,920.00ft (above Mean Sea Level) UWI: SW/NW/0/9/S/22/E/18/0/0/26/PM/N/1,886.00/W/0/379.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
7/28/2009	0:00 - 6:00	6.00	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/ 5069' - T/ 5542' = 473' @ 78.8 FPH / WOB 18/20 / RPM TOP DRV 35-40 / MTR 104 RPM / PUMP SPM 105 = 472 GPM / SPP ON/OFF 1800/1610 / TQ ON/OFF 9K/5K / PU/SO/ROT 160/128/136 / H2O + POLY / SLID 44' IN 1.0 HOURS = 9.3% OF FOOTAGE & 16.6% OF HOURS DRILLED
	6:00 - 16:00	10.00	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/ 5509' - T/ 6489' = 980' @ 98.0 FPH / WOB 18/20 / RPM TOP DRV 40-45 / MTR 104 RPM / PUMP SPM 105 = 472 GPM / SPP ON/OFF 1830/1630 / TQ ON/OFF 12K/8K / PU/SO/ROT 210/126/152 / H2O + POLY / SLID 69' IN 1.75 HOURS = 7.0% OF FOOTAGE & 17.5% OF HOURS DRILLED
	16:00 - 16:30	0.50	DRLPRO	07	A	P		SERVICE RIG & EQUIPMENT / WORK PIPE RAMS / VISUAL INSPECTION ON B.O.P.E.
	16:30 - 0:00	7.50	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/ 6489' - T/ 7153' = 664' @ 88.5 FPH / WOB 18/20 / RPM TOP DRV 40-45 / MTR 104 RPM / PUMP SPM 105 = 472 GPM / SPP ON/OFF 1890/1710 / TQ ON/OFF 12K/10K / PU/SO/ROT 218/137/163 / VIS 29 - WT 8.7 / SLID 23' IN .5 HOURS = 3.5% OF FOOTAGE & 6.7% OF HOURS DRILLED / CLOSED PITS IN AND STARTED MUD UP @ 7000' AS PER DRILLING PROGRAM
7/29/2009	0:00 - 6:00	6.00	DRLPRO	02	D	P		DRILL (ROTATE) F/ 7153' - T/ 7413' = 260' @ 43.3 FPH / WOB 18/20 / RPM TOP DRV 35-40 / MTR 104 RPM / PUMP SPM 105 = 472 GPM / SPP ON/OFF 1890/1715 / TQ ON/OFF 12K/8K / PU/SO/ROT 228/142/166 / 30 VIS - 8.7 PPG / ROTATING = 100% OF FOOTAGE DRILLED
	6:00 - 20:30	14.50	DRLPRO	02	D	P		DRILL (ROTATE/SLIDE) F/ 7413' - T/ 8100' = 687' @ 47.4 FPH / WOB 18/22 / RPM TOP DRV 40-45 / MTR 104 RPM / PUMP SPM 105 = 472 GPM / SPP ON/OFF 2060/1750 / TQ ON/OFF 13K/11K / PU/SO/ROT 238/140/175 / VIS 36 - WT 9.2 / SLIDE 11' IN 1.17 HRS = 1.6% OF FOOTAGE DRILLED & 8% OF HRS DRILLED
	20:30 - 21:00	0.50	DRLPRO	07	A	P		SERVICE RIG & EQUIPMENT / VISUAL INSPECTION ON B.O.P.E.
	21:00 - 0:00	3.00	DRLPRO	02	D	P		DRILL (ROTATE/SLIDE) F/ 8100' - T/ 8199' = 99' @ 33.0 FPH / WOB 18/22 / RPM TOP DRV 40-45 / MTR 104 RPM / PUMP SPM 105 = 472 GPM / SPP ON/OFF 2000/1750 / TQ ON/OFF 14K/11K / PU/SO/ROT 240/144/180 / VIS 36 - WT 9.3 / SLIDE 22' IN 1.75 HRS = 22% OF FOOTAGE DRILLED & 58.3% OF HRS DRILLED
7/30/2009	0:00 - 6:00	6.00	DRLPRO	02	D	P		DRILL (ROTATE/SLIDE) F/ 8199' - T/ 8477' = 278' @ 46.3 FPH / WOB 18/22 / RPM TOP DRV 35-40 / MTR 104 RPM / PUMP SPM 105 = 472 GPM / SPP ON/OFF 2180/1880 / TQ ON/OFF 14K/13K / PU/SO/ROT 248/145/180 / 36 VIS - 9.6 PPG / SLIDE 8' IN .75 HRS = 2.9% OF FOOTAGE & 12.5% OF HOURS DRILLED
	6:00 - 17:30	11.50	DRLPRO	02	D	P		DRILL (ROTATE/SLIDE) F/ 8477' - T/ 9077' = 600' @ 52.17 FPH / WOB 18/23 / RPM TOP DRV 40-45 / MTR 104 RPM / PUMP SPM 105 = 472 GPM / SPP ON/OFF 2202/1990 / TQ ON/OFF 13K/12K / PU/SO/ROT 269/148/186 / 40 VIS - 10.3 PPG / SLIDE 31' IN 1.5 HRS = 5.1% OF FOOTAGE & 13% OF HOURS DRILLED
	17:30 - 18:00	0.50	DRLPRO	07	A	P		SERVICE RIG & EQUIPMENT / WORK PIPE RAMS / VISUAL INSPECTION ON B.O.P.E.

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-18D3DS BLUE	Spud Conductor: 5/29/2009	Spud Date: 6/4/2009
Project: UTAH-UINTAH	Site: NBU 922-18E PAD	Rig Name No: ELENBURG 12/12, H&P 298/298
Event: DRILLING	Start Date: 4/23/2009	End Date: 8/3/2009
Active Datum: RKB @4,920.00ft (above Mean Sea Level) UWI: SW/NW/0/9/S/22/E/18/0/0/26/PM/N/1,886.00/W/0/379.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	18:00 - 0:00	6.00	DRLPRO	02	D	P		DRILL (ROTATE) F/ 9077' - T/ 9321' = 244' @ 40.66 FPH / WOB 20/23 / RPM TOP DRV 40-45 / MTR 104 RPM / PUMP SPM 105 = 472 GPM / SPP ON/OFF 2280/2200 / TQ ON/OFF 16K/15K / PU/SO/ROT 274/155/194 / 38 VIS - 10.8 PPG / ROTATING = 100% OF FOOTAGE & HOURS DRILLED / WEIGHT RAISED TO CONTROL GAS, SHALE & ANTICIPATION OF BIT TRIP / LOST APPROXIMATELY 25 BBLS MUD TO HOLE W/ DRILLING / USING LCM SWEEPS TO CONTROL
7/31/2009	0:00 - 3:30	3.50	DRLPRO	02	D	P		DRILL (ROTATE) F/ 9321' - T/ 9406' = 85' @ 24.28 FPH / WOB 20/23 / RPM TOP DRV 35-40 / MTR 104 RPM / PUMP SPM 105 = 472 GPM / SPP ON/OFF 2290/2200 / TQ ON/OFF 16K/15K / PU/SO/ROT 277/158/196 / 38 VIS - 10.8 PPG / ROTATE = 100% OF FOOTAGE & 100% OF HOURS DRILLED
	3:30 - 4:30	1.00	DRLPRO	06	A	P		BACK REAM F/ 9406' - T/ 8472' / PUMP PILL (BIT TRIP)
	4:30 - 8:30	4.00	DRLPRO	06	A	P		P.O.O.H. / PULL ROTATING HEAD / BREAK BIT
	8:30 - 10:00	1.50	DRLPRO	06	A	P		LAY DOWN MWD TOOLS / SWAP OUT MOTOR / STRAIGHTEN MOTOR TO 0 DEG / MAKE UP BIT #2 / WORK BLIND RAMS / RE-INSTALL MWD & DO SHALLOW SURFACE TEST - OK
	10:00 - 14:00	4.00	DRLPRO	06	A	P		T.I.H. / INSTALL ROTATING HEAD / BREAK CIRCULATION AS NEEDED
	14:00 - 17:00	3.00	DRLPRO	22	A	X		ATTEMPT TO WASH & REAM F/ 9270' / WORK STUCK PIPE - PULL TO 450K TO GET FREE (H&P SUPERVISORS CONTACTED PRIOR TO PULL)
	17:00 - 19:30	2.50	DRLPRO	03	E	P		WASH & REAM F/ 9290' - T/ 9406' WITH CAUTION WHILE BUILDING MUD WEIGHT TO 11.0 PPG
	19:30 - 0:00	4.50	DRLPRO	02	D	P		DRILL (ROTATE) F/ 9406' - T/ 9613' = 207' @ 46.0 FPH / WOB 14/20 / RPM TOP DRV 35-40 / MTR 74 RPM / PUMP SPM 103 = 472 GPM / SPP ON/OFF 2490/2240 / TQ ON/OFF 14K/12K / PU/SO/ROT 278/166/196 / 38 VIS - 11.3 PPG / ROTATE = 100% OF FOOTAGE & 100% OF HOURS DRILLED / MUD WEIGHT RAISED TO CONTROL SHALE & GAS / LOST APPROXIMATELY 95 BBLS WHILE DRILLING / SWEEPS WOULD NOT HEAL / BYPASSED & ADDED 3% LCM TO SYSTEM
8/1/2009	0:00 - 9:30	9.50	DRLPRO	02	D	P		DRILL (ROTATE) F/ 9613' - T/ 10045' = 432' @ 45.47 FPH / WOB 18/23 / RPM TOP DRV 35-45 / MTR 58 RPM / PUMP SPM 80 = 360 GPM / SPP ON/OFF 1750/1625 / TQ ON/OFF 16K/14K / PU/SO/ROT 282/165/205 / 40 VIS - 11.7 PPG / ROTATE = 100% OF FOOTAGE & 100% OF HOURS DRILLED / DRILLED W/ REDUCED PUMP RATE TO REDUCE MUD LOSSES WHILE ADDING LCM TO 10% / LOST APPROXIMATELY 65 BBLS
	9:30 - 12:00	2.50	EVALPR	05	C	P		CIRCULATE & CONDITION HOLE FOR SHORT TRIP / RAISE MUD WT. TO 11.8 PPG TO CONTROL GAS / LOST APPROXIMATELY 18 BBLS / NO LOSSES PRIOR TO SHORT TRIP
	12:00 - 20:00	8.00	EVALPR	06	E	P		BACK REAM F/ 10045' - T/ 8566' / PUMP PILL / SHORT TRIP T/ 2900' / NO PROBLEMS / LOST 15 BBLS MUD ON TRIP
	20:00 - 20:30	0.50	EVALPR	03	D	P		PRECAUTIONARY REAM F/ 9899' - T/ 10045' W/ 4' OF FILL
	20:30 - 22:30	2.00	EVALPR	05	C	P		CIRCULATE & CONDITION HOLE / RAISE VIS TO 50 - WT TO 11.8 / PUMP HIGH VIS PILL
	22:30 - 0:00	1.50	EVALPR	06	B	P		P.O.O.H. FOR LOGS / BACK REAM F/ 10045' - T/ 8763' / PUMP PILL

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-18D3DS BLUE	Spud Conductor: 5/29/2009	Spud Date: 6/4/2009
Project: UTAH-UINTAH	Site: NBU 922-18E PAD	Rig Name No: ELENBURG 12/12, H&P 298/298
Event: DRILLING	Start Date: 4/23/2009	End Date: 8/3/2009
Active Datum: RKB @4,920.00ft (above Mean Sea Level) UWI: SW/NW/0/9/S/22/E/18/0/0/26/PM/N/1,886.00/W/0/379.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
8/2/2009	0:00 - 4:00	4.00	EVALPR	06	B	P		P.O.O.H. / L.D. M.W.D., MOTOR & BIT
	4:00 - 4:30	0.50	EVALPR	14	B	P		PULL WEAR BUSHING / INSPECT B.O.P.E.
	4:30 - 10:00	5.50	EVALPR	11	D	P		SAFETY MEETING / M.I.R.U. HALLIBURTON EQUIPMENT / RUN TRIPLE COMBO F/ 10042' - T/ SURFACE / R.D.M.O. LOGGING EQUIPMENT
	10:00 - 12:00	2.00	CSG	12	A	Z		SAFETY MEETING / RIG UP TO FILL CASING ON THE RUN / EQUIPMENT COULD NOT BE OPERATED EFFICIENTLY WITHOUT STABBER IN DERRICK / R.D.M.O. FILL UP EQUIPMENT
	12:00 - 13:00	1.00	CSG	12	A	P		RIG UP CASING EQUIPMENT TO RUN CONVENTIONAL
	13:00 - 20:30	7.50	CSG	12	C	P		RUN 8 JTS P-110 #11.6 4.5 CASING + 230 JTS I-80 #11.6 4.5 LT&C CASING + RELATED TOOLS / INSTALL SOLID MANDREL / HOLD CASING UP @ 10036' FOR CEMENT JOB
	20:30 - 22:00	1.50	CSG	05	D	P		CIRCULATE & CONDITION HOLE FOR CEMENT JOB
	22:00 - 0:00	2.00	CSG	12	E	P		SAFETY MEETING (REVIEW J.S.A.) TEST PUMPS & LINES TO 5k PSI / PUMP 40 BBLS H2O + 630 SX LEAD CEMENT @ 11.8 ppg (PREM LITE II + .05lbs/sx STATIC FREE + .25 pps CELLOFLAKE + 5 pps KOL SEAL + 8% bwoc BENTONITE + .2% bwoc SODIUM METASILICATE + 136.2% FRESH WATER / (13.67 gal/sx, 2.42 yield) + 1260 SX TAIL @ 14.3 ppg (CLS G 50/50 POZ + 10% SALT + .05lbs/sx STATIC FREE + .2% R3 + .002 GPS FP-6L + 2% BENTONITE + 58.6% H2O / (5.90 gal/sx, 1.31 yield) / DROP PLUG & DISPLACE W/ 155.4 BBLS H2O + ADDITIVES / LOOSING RETURNS 110 BBLS INTO DISPLACEMENT - NO RETURNS 120 BBLS INTO DISPLACEMENT / LIFT PRESSURE @ 2560 PSI (CALC TOP OF TAIL @ 3710') / BUMP PLUG W/ 3014 PSI - HOLD 5 MINUTES W/ NO LOSS / PLUG DOWN @ 01:00 HOURS / FLOATS HELD W/ 1.50 BBLS BACK TO INVENTORY / R.D.M.O. CEMENT EQUIPMENT
8/3/2009	0:00 - 1:00	1.00	CSG	12	E	P		DROP PLUG & DISPLACE W/ 155.4 BBLS H2O + ADDITIVES / 80% RETURNS 110 BBLS INTO DISPLACEMENT - NO RETURNS 120 BBLS INTO DISPLACEMENT / LIFT PRESSURE @ 2550 PSI (CALC TOP OF TAIL @ 1661') / BUMP PLUG W/ 3000 PSI - HOLD 5 MINUTES W/ NO CEMENT TO SURFACE / PLUG DOWN @ 01:00 HOURS / FLOATS HELD W/ 1.50 BBLS BACK TO INVENTORY / R.D.M.O. CEMENT EQUIPMENT
	1:00 - 1:30	0.50	CSG	12	C	P		LAND CASING W/ 85K - SHOE @ 10037.9, TOP OF FLOAT COLLAR @ 9993.30 & TOP OF MARKER JOINT @ 5172.64
	1:30 - 3:00	1.50	SUSPEN	14	A	P		WASH & CLEAN B.O.P.E. / NIPPLE DOWN TO SKID (PROBLEMS RELEASING CAMERON QUICK DISCONNECT) / RIG RELEASE @ 03:00 HRS ON 08/03/2009

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18D3DS BLUE	Spud Conductor: 5/29/2009	Spud Date: 6/4/2009
Project: UTAH-UINTAH	Site: NBU 922-18E PAD	Rig Name No:
Event: COMPLETION	Start Date: 12/4/2009	End Date: 1/15/2010
Active Datum: RKB @4,920.00ft (above Mean Sea Leve		
UWI: SW/NW/0/9/S/22/E/18/0/0/26/PM/N/1,886.00/W/0/379.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
12/5/2009	7:00 - 7:30	0.50	WO/REP	48		P		HSM, PICKING UP AND LAYING DWN TBG.
	7:30 - 18:30	11.00	WO/REP	31	I	P		SICP 0 PSI. PU 37/8 BIT AND 314 JTS AND 7' IN ON 315TH JT 23/8 L-80 TAG @ 9999.40', CIRC WELL CLEAN W/ 210 BBLS 2% KCL, L/D 2 JTS TBG TEST CSG TO 3500# PSI FOR 10 MIN OK. L/D 166 MORE JTS 23/8 EOT @ 4660.36' SWI DRAIN EQUIP SDFN.
12/6/2009	7:00 - 7:30	0.50	WO/REP	48		P		HSM, WORKING UNDER SNOWY CONDITIONS
	7:30 - 10:00	2.50	WO/REP	31	I	P		SICP 0 PSI, L/D REM 141 JTS 23/8 L/D BIT. ND BOPS RIG DOWN MOVE TO NEXT WELL.
12/7/2009	7:00 - 21:00	14.00	COMP	33	D	P		HSM. OPEN WELL 0#. MIRU B&C QUICK TEST. PSI TEST CSG & BOTH FRAC VALVES T/ 7000#. GOOD TEST. BLEED OFF PSI. SWI SDFN.
12/9/2009	7:00 - 19:00	12.00	COMP	37	B	P		HSM. SIME OPS. MIRU CUTTERS WL & SUPERIOR FRAC SERV. STG 1) PU 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. RIH PERF F/ 9732'-36', 3 SPF, 12 HOLES. 9774'-76', 4 SPF, 8 HOLES. 9931'-34', 4 SPF, 12 HOLES. 9954'-58', 3 SPF, 12 HOLES. POOH. WINTERIZE WELL HEAD. SWI, SDFN.
12/10/2009	7:00 - 17:03	10.05	COMP	36	B	P		HSM. SIME OPS. PULL ON LOC IT WAS -27 BELOW ZERO. LEFT ALL TRUCKS RUNNING ALL NIGHT. FOUND 1 PUMP THAT DIED OVER NIGHT. WORK ON GETTING IT STARTED. START UP BLENDER HYDRALICS. BLEW UP 3 CHEM PUMPS. MAKE REPAIRS ON LOC. BLEW UP HYD FILTER ON PUMP TRUCK. MAKE REPAIRS ON LOC. 13:15 BRING WATER ON BLENDER. START CHEM BLEW UP CHEM PUMP AGIAN ON BLENDER. CALL FOR PART F/ VERNAL. WAIT FOR 1HR. MAKE REPAIRS ON LOC. 17:00 ATTM T/ CIRC HYD SYSTEM. IT WORKED. LEAVE HYD SYSTEM CIRC ALL NIGHT. LEAVE ALL MOTORS RUNNING ALL NIGHT TO.
								17:30 SDFN.

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-18D3DS BLUE	Spud Conductor: 5/29/2009	Spud Date: 6/4/2009
Project: UTAH-UINTAH	Site: NBU 922-18E PAD	Rig Name No:
Event: COMPLETION	Start Date: 12/4/2009	End Date: 1/15/2010
Active Datum: RKB @4,920.00ft (above Mean Sea Leve		
UWI: SW/NW/0/9/S/22/E/18/0/0/26/PM/N/1,886.00/W/0/379.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
12/11/2009	7:00 - 18:00	11.00	COMP	36	B	P		<p>HSM. SIME OPS. 07:30 PRIME UP PUMPS. FOUND PUMP 2 SUCTION HOSE IS FROZE. 08:15 PSI TEST LINES. 08:32 2ND ATTM T/ PSI TEST LINES. NOT GOOD. 08:37 3RD ATTM T/ PSI TEST LINES. NOT GOOD. BLEED OFF PSI. CHANGE OUT 4" RUBBER. 08:45 4TH ATTM T/ PSI TEST LINES. GOOD TEST. BLEED OFF PSI. PREP T/ GO DOWN HOLE. STG 1) 09:25 OPEN WELLL WHP 1067 PSI, BRK 4900 PSI @ 4.7 BPM. ISIP 2797 PSI, FG .72. PUMP 100 BBLS @ 48 BPM @ 4900 PSI = 100% HOLES OPEN. MP 6305 PSI, MR 50.4 BPM, AP 5085 PSI, AR 41.7 BPM, ISIP 2650 PSI, FG .70, NPI -147 PSI. PMP 1210 BBLS SW & 35,907 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 40,907 LBS</p> <p>STG 2)PU 4 1/2 8K HAL CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH T/ 4020' SITT DOWN W/ PLUG. DRAG PLUG UP T/ 3979' BECAME STUCK. WORK WL, WOULD NOT COME FREE. ATTM T/ SET CBP @ 3978'. CBP SET WL CAME FREE, PULLED COLLAR LOCATER T/ 3867'. BECAME STUCK AGAIN. WORK WL. CALL FOR KINLY CUTTER. DROP KINLY CUTTER. WAIT 1hr 9min SEEN CUTTER CUT WL. POOH. ALL OF KINLY CUTTER CAME BACK. 17:00 SWI, SDFN.</p> <p>LEFT APPROX 100' OF WL IN WELL. COLLAR LOC @ 3867' CBP SET @ 3978'</p>
12/23/2009	7:00 - 7:30	0.50	COMP	48		P		HSM, RIGGING DWN AND UP IN COLD WEATHER WATCHING OUT FOR EACH OTHER.
	7:30 - 11:00	3.50	COMP	30	A	P		RIG DWN OFF NBU 922-18D3BS, MOVE OVER RIG UP ON NBU 922-18D3DS. ND FRAC VALVE NU BOPS, RU FLOOR & TBG EQUIP.
	11:00 - 15:00	4.00	COMP	31	B	P		TALLY & PU OVERSHOT W/ 31/8 GRAPPEL, JARS, BUMPER SUB, X/O, TBG PUP JT, 91 JTS 23/8 L-80 TBG EOT @ 2944' SWI SDFWE. (FISH TOP @ 3867'.)
12/28/2009	7:00 - 7:30	0.50	COMP	48		P		HSM, WORKING W/ FISH TOOLS, AND TRIPPING TBG. WATCHING PSI ON WELL.

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-18D3DS BLUE	Spud Conductor: 5/29/2009	Spud Date: 6/4/2009
Project: UTAH-UINTAH	Site: NBU 922-18E PAD	Rig Name No:
Event: COMPLETION	Start Date: 12/4/2009	End Date: 1/15/2010
Active Datum: RKB @4,920.00ft (above Mean Sea Leve UWI: SW/NW/0/9/S/22/E/18/0/0/26/PM/N/1,886.00/W/0/379.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:30 - 17:30	10.00	COMP	31	B	P		SICP 1300 PSI SICP 1300 PSI, BLEW WELL DWN TO PIT, TBG VALVE LEAKED OVER WEEKEND HAD OIL ON SLIPS AND BOPS, PU 29 JTS 23/8 L-80 OFF FLOAT, TAG UP ON FISH @ 3874' WORK OVER SHOT TRYING TO LATCH ON, TAGGING ON WIRE. L/D JT 120. POOH W/ 119 JTS L/D OVER SHOT. PU SPEAR RIH W/ BHA AND 119 JTS 23/8 L-80 PU JT # 120 TAG UP ON FISH. WORK SPEAR, PUMPED DWN TBG W/ 40 BBLS WTR NOT MAKING ANY HOLE, PULL UP NOT SEEING ANY PULL OVER. L/D JT 120. POOH W/ 119 JTS AND BHA. NO CABLE LOOKS LIKE SPEAR IS GOING DWN THE SIDE OF ROPE SOCKET. RIH W/ SHORT GUIDED LIP OVER SHOT W/ 1 7/16" GRAPLE & BHA AND 119 JTS TBG PU JT 120 PUMP DWN TBG TO SEE IF WE GET PRESSURE INCREASE WHILE GOING OVER FISH. NO INCREASE LATCHED ON TO CABLE ROPE SOCKET. JARED 4 TIMES @ 40,000# STRING WEIGHT 14,000# FISH CAME FREE, PULLED FISH UP HOLE DRAGGING APROX 295' HUNG UP TIGHT, JARRED ON TBG FOR 1/2 HR TRYED TO PUMP PAST FISH PRESSURED UP TO 2500# SLOW BLEAD OFF. SWI DRAIN UP SDFN. EOT @ 3594'
12/29/2009	7:00 - 7:30	0.50	COMP	48		P		HSM, SHUTING IN WELLS WHEN SAND TRAPS ARE POPING OFF ON PAD WELLS.
	7:30 - 10:00	2.50	COMP	31	B	P		SICP 2400 PSI, SITP 2400 PSI, SAND TRAP FROM NBU 922-18D3BS WAS POPING OFF OVER RIG DERICK WHEN CREW ARIVED THEY SHUT IN THE WELL AND THE FORMAN WAS NOTIFIED. BLEW WELL DWN TO PIT. PU 8' 23/8 N-80 PUP JT TRY TO FREE FISH GOING DWN AND JARRING UP 26,000# OVER STRING MADE 7" TOTAL, NOT MAKING ANY HOLE.
	10:00 - 18:00	8.00	COMP	31	I	P		ATEMPT TO RELEASE OVERSHOT FROM FISH WHILE WORKING PIPE, COLLAR PULLED OFF PUP JT. TBG START TO FLOW GOT VALVE ON TBG .RU POWER SWIVEL, WAIT ON SLIP TYPE ELEVATORS.L/D BAD TBG SUB, MAKE UP NEW N-80 TBG SUB. ROTATE TBG W/ SWIVEL GOT OFF FISH. HANG SWIVEL IN DERICK.POOH W/ 111 JTS 23/8 L-80 L/D BHA.PU NEW BHA, 3 3/4 FLAT BTB SHOE, 1-JT 3 3/4 WASH PIPE, TOP BUSHING, BUMPER SUB, JARS, 2- DRL COLLARS, INTENSIFIRE, X/O, 6' 23/8 PUP JT. RIH W/ BHA AND 99 JTS 23/8 EOT @ 3302' FISH TOP @ 3549' SWI DRAIN EQUIP SDFN.,
12/30/2009	7:00 - 7:30	0.50	COMP	48		P		HSM, WASHING OVER FISH, WATCHING FOR PRESSURE INCREASE.
	7:30 - 13:30	6.00	COMP	44	D	P		SICP 900 PSI, SITP 900 PSI. BLEW WELL DWN. RIH W/ 8 JTS 23/8 L-80 RU SWIVEL BREAK CIRC REV W/ 2% KCL, WASH OVER FISH 28' DWN TO 3574.61' ON TOP OF SETTING SLEEVE THAT IS 3.65 OD. DICIDED TO QUIT HERE.
	13:30 - 18:00	4.50	COMP	31	B	P		DISPLACE 2% KCL W/ 50 BBLS 10# BRINE, HANG BACK SWIVEL POOH,107 JTS 23/8 L-80, L/D WASH PIPE AND SHOE. RIH W/ 37/8 OVERSHOT W/ 31/8 SPIRAL GRAPPEL, JARS, BUMPER SUB, 2- COLLARS, INTENSIFIRE, X/O 6' TBG PUP JT, 105 JTS OUT OF DERICK EOT @ 3470' SWI DRAIN UP SDFN

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-18D3DS BLUE		Spud Conductor: 5/29/2009	Spud Date: 6/4/2009
Project: UTAH-UINTAH		Site: NBU 922-18E PAD	Rig Name No:
Event: COMPLETION		Start Date: 12/4/2009	End Date: 1/15/2010
Active Datum: RKB @4,920.00ft (above Mean Sea Leve) UWI: SW/NW/0/9/S/22/E/18/0/0/26/PM/N/1,886.00/W/0/379.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
12/31/2009	7:00 - 7:30	0.50	COMP	48		P		HSM, CHECKING PSI ON WELL, WARMING EQUIP UP ON COLD WEATHER.
	7:30 - 10:30	3.00	COMP	31	B	P		SICP 500 PSI, SITP 1300 PSI, BLEW WELL DWN TO PIT, RIH W/ 3 JTS TAG FISH UNABLE TO LATCH ON RU PUMP DWN T BG TO TRY & REMOVE ANY FILL OR CUTTINGS, COULDN'T GET LATCHED ON, ROLL HOLE W/ 10# BRINE, POOH HAD ALL PERF GUNS & TOP OF SETTING TOOL, CALL CUTTERS TO COME GET GUNS AND BRING #10 SETTING TOOL SO WE CAN SEE WHAT WE HAVE IN HOLE.
	10:30 - 16:00	5.50	COMP	46	E	P		WAIT ON CUTTERS TO GET GUNS AND BRING SETTING TOOL.IT APEARS THAT WE HAVE 3" OF 23/4 OD FISH NECK NEXT IS 3.65" SETTING SLEVE.UNABLE TO FISH. WAIT ON FANG MILL.RIH W/ 3 7/8 FANG MILL,BIT SUB, BUMPER SUB, 2-COLLARS, X/O 6' TBG PUP, 105 JTS 23/8 EOT @ 3438' SWI SDFWE.
1/4/2010	7:00 - 7:30	0.50	COMP	48		P		HSM, DRIVING SLOW IN FOGGY CONDITIONS.
	7:30 - 17:30	10.00	COMP	44	D	P		SICP 1900 PSI, SITP 1900 PSI, BLEW WELL DWN TO PIT RIH TAG UP ON FISH @ 3573', RU SWIVEL, BROKE CIRC REV, MILL ON FISH W/ FANG MILL.MADE 18" NOT MAKING ANY HOLE L/D 1 JT HANG SWIVEL PULLED 2 STDS IN DERICK SWI EOT @ 3438' DRAIN UP SDFN.
1/5/2010	7:00 - 7:30	0.50	COMP	48		P		HSM, DRAINING PUMP IN COLD WEATHER. SO LINE WONT BE FROZE.
	7:30 - 11:00	3.50	COMP	31	I	P		SICP 1900 PSI, SITP 1550 PSI, BLEW WELL DWN TO PIT. POOH 105 JTS 23/8 & BHA, CHANGED OUT FANG MILL IT WAS WORN OUT, RIH W/ BHA & TBG TAG UP ON FISH, RU SWIVEL, BROKE CIRC REV,
	11:00 - 17:30	6.50	COMP	44	D	P		CONTINUE MILLING ON FISH, GETTING LOTS OF WIRE LINE PIECES AND METAL SHAVINGS, MADE APROX 4" MILL IS WORN OUT.CIRC CLEAN, HANG SWIVEL POOH 5 JTS EOT @ 3438' SWI DRAIN EQUIP SDFN.
1/6/2010	7:00 - 7:30	0.50	COMP	48		P		HSM, TRIPPING TBG & FISHING TOOLS, WATCHING PINCH POINTS.
	7:30 - 18:00	10.50	COMP	44	D			SICP 1800 PSI, SITP 1800 PSI.POOH W/ TBG & BHA, CIRC PORTS WERE 1/2 PLUGGED ON MILLIT WASN'T WORN OUT. RIH W/ NEW MILL, BHA AND TBG. TAG FISH RU SWIVEL, BROKE CIRC REV. MILL ON FISH STILL GETTING LOTS OF WIRE BUT MORE METAL. MANDREL MUST OF BEEN STROKED OPEN WHICH GIVES US ANOTHER FOOT TO DRILL, MADE 6 " TODAY MILL STILL WORKING GOOD, L/D 1 JT HANG SWIVEL EOT @ 3553', SWI DRAIN EQUIP SDFN. TOTAL 24" MADE CUM FOR US 8 DAYS, \$184.157
1/7/2010	7:00 - 7:30	0.50	COMP	48		P		HSM, WATCHING CIRCULATING EQUIP.
	7:30 - 10:30	3.00	COMP	44	D	P		SICP 1700 PSI, SITP 1700 PSI, BLEW DWN WELL PU 1 JT TBG RU SWIVEL, BROKE CIRC REV, CONTINUE MILLING ON SETTING TOOL.MADE 9" SWIVEL TORQUED UP LOST ALL STRING WEIGHT, STILL ABLE TO CIRC, BROKE OFF SWIVEL, L/D JT # 110. EOT @ 3565' DISPLACE HOLE W/ 10# BRINE, NEVER LOST CIRC, TBG WILL COME UP BUT WONT GO DWN.

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-18D3DS BLUE	Spud Conductor: 5/29/2009	Spud Date: 6/4/2009
Project: UTAH-UINTAH	Site: NBU 922-18E PAD	Rig Name No:
Event: COMPLETION	Start Date: 12/4/2009	End Date: 1/15/2010
Active Datum: RKB @4,920.00ft (above Mean Sea Leve UWI: SW/NW/0/9/S/22/E/18/0/0/26/PM/N/1,886.00/W/0/379.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	10:30 - 16:30	6.00	COMP			P		WAIT ON BRINE, TRY TO BULL HEAD PAST PLUG.PRESSURED UP TO 2800 PSI SHUT DWN, BLEAD OFF PRESSURE, L/D 6 JTS 23/8 L-80 TBG DRAGGING TROUGH COLLARS, TBG WILL NOT GO DWN , RU SWIVEL TBG WILL NOT TURN, HUNG BACK SWIVEL, EOT @ 3407' 104 JTS IN RU PUMPED 100 BBLS 10# BRINE DWN TBG, @ 2.5 BPM @ 3100 PSI, TO TRY AND REMOVE FISH F/ END OR TBG. NO LUCK TBG STILL WONT GO DWN L/D 1 MORE JT TBG TBG STILL WONT GO DWN EOT @ 3375' SWI DRAIN UP EQUIP, ORDER SNUBBING UNIT AND WIRELINE TRUCK FOR AM. CUM TOTAL \$197.225
1/8/2010	7:00 - 7:30	0.50	COMP	48		P		HSM, WORKING AROUND WIRE LINE & SBUBBING UNIT.
	7:30 - 17:00	9.50	COMP	43	A			SICP 500 PSI, SITP 500 PSI, BLEW WELL DWN TO PIT RU CASD HOLE WL. RIH SET 23/8 CIBP IN TBG @ 3281', POOH RD WL, ND WASHINGTON HEAD, RD FLOOR, RU MOUNTAIN STATES SNUBBING UNIT. 103 JTS 23/8 IN HAOLE & BHA.SNUB OUT 16 JTS EOT @ 2866' WELL PRESSURE EQUILIZED TO 1200 PSI. OPEN CSG TO PIT LET WELL FLOW, SNUB OUT W/ REM 87 JTS & BHA DRAGGING 12,000# OVER TO 417' LOST DRAG PULL BHA THROUGH SNUBBING UNIT CLOSE BLIND RAMS, RD SNUBBING UNIT NO TOOLS ON TOP OF BLINDS. RU DRILLING HEAD AND RIG FLOOR. TURN WELL OVER TO FB CREW TO FLOW WELL OVER WEEKEND.
1/11/2010	7:00 - 7:30	0.50	COMP	48		P		HSM, KEEPING HEADS AND HANDS AWAY FROM TOP OF TBG.
	7:30 - 17:30	10.00	COMP	31	I	P		SICP FLOWING GAS, RU KILL WELL W/ 80 BBLS 10# BRINE, RIH 2- 31/8" DRL COLLARS, L/D SAME. PU RIH W/ 1.875 X/N 112 JTS 23/8 L-80 OUT OF DERICK, PU REM 201 JTS 23/8 L-80 OFF FLOAT TAG UP @ 9937' ON REM SLEEVE ASS AND PLUG, BTM PERF @ 9958' L/D 20 JTS, POOH W/ 253 JTS EOT @ 1324' SWI SDFN.
1/12/2010	7:00 - 7:30	0.50	COMP	48		P		HSM, BLEADING DWN AND CONTROLLING WELL TO ND BOPS & NU FRAC VALVE.
	7:30 - 11:30	4.00	COMP	31	I	P		SICP 1100 PSI, SITP 800 PSI, BLEW WELL DWN TO PIT, PUMP 40 BBLS 10# BRINE DWN CSG, POOH W/ REM 41 JTS 23/8 L-80 L/D X/N. RD FLOOR,PUMPED 50 BBLS 2% DWN CSG, ND BOPS NU FRAC VALVE.RU FLOOR.
	11:30 - 15:00	3.50	COMP	34	H			RU CUTTERS, (STG 2) PU 41/2 CBP & 31/8 EXP GUNS, 23 GRM, .36" HOLES 120 DEG PHASING. SET 8K BAKER CBP @ 9636' & PERF 9602'-9606' 3 SPF, 9528'- 9532' 3 SPF, 9484'-9490' 3 SPF 42 HOLES. POOH SWI SDFN
1/13/2010	7:00 - 7:30	0.50	COMP	48		P		HSM, WORKING W/ WIRE LINE & FRAC CREW.

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18D3DS BLUE		Spud Conductor: 5/29/2009	Spud Date: 6/4/2009
Project: UTAH-UINTAH		Site: NBU 922-18E PAD	Rig Name No:
Event: COMPLETION		Start Date: 12/4/2009	End Date: 1/15/2010
Active Datum: RKB @4,920.00ft (above Mean Sea Leve) UWI: SW/NW/0/9/S/22/E/18/0/0/26/PM/N/1,886.00/W/0/379.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:30 - 8:23	0.88	COMP	36	E			RU FRAC TEC, PRIME UP PUMPS & LINES. PRESSURE TEST SURFACE LINES TO 8,175 PSI. (STG 2) WHP 680 PSI, BROKE @ 3895 PSI @ 6.6 BPM, ISIP 2613 PSI, FG .71. PUMPED 100 BBLS @ 51 BPM @ 5037 PSI = 100 % PERFS OPEN. MP 6740 PSI, MR 52.7 BPM, AP 4696 PSI, AR 50.3 BPM, ISIP 2789 PSI, FG .73. NPI 176 PSI, PMPD 1152 BBLS SW & 30,716 LBS 30/50 SND & 5,000 LBS 20/40 RESIN SAND. TOTAL PROP 35, 716 LBS.
	8:23 - 13:42	5.32	COMP	36	E	P		(STG 3) PU 41/2 CBP & 31/8 EXP GNS, 23 GRM, .36" HOLES, 90 & 120 DEG PHASING. SET 8K BAKER CBP @ 9404' & PERF 9190'-9192' 3 SPF, 9277'-9282' 3 SPF, 9338'-9340' 4 SPF, 9370'-9374' 3 SPF, 41 HOLES. GOT TO 200' HAD GREASE HEAD PROBLEMS, HAD TO PULL UP L/D LUBRICATOR TO WORK ON GREASE HEAD. 3 HRS START IN HOLE @ 11:30. WHP 1160 PSI,BROKE @ 4329 PSI, @ 4.5 BPM, ISIP 2564 PSI, FG .71. PUMPED 100 BBLS @ 50.5 BPM @ 5250 PSI = 90% PERFS OPEN. MP 6147 PSI, MR 52 BPM, AP 4465 PSI, AR 50.9 BPM, ISIP 2283, FG .68 NPI -281 PSI, PMPD 1893 BBLS SW & 67,413 LBS 30/50 SND & 5,000 LBS 20/40 RESIN. TOTAL PROP 72, 413 LBS.
	13:42 - 15:45	2.05	COMP	36	E	P		(STG 4) PU 41/2 CBP & 31/8 EXP GNS, 23 GRM, .36" HOLES, 90 & 120 DEG PHASING. SET 8K BAKER CBP @ 9158' & PERF 8928'-8930' 3 SPF, 8958'-8960' 4 SPF, 9010'-9012' 4 SPF, 9094'-9098' 3 SPF, 9130'-9132' 3 SPF, 40 HOLES. WHP 2150 PSI,BROKE @ 2289 PSI, @ 8.9 BPM, ISIP 2126 PSI, FG .67. PUMPED 100 BBLS @ 51 BPM @ 4311 PSI = 100% PERFS OPEN. MP 5306 PSI, MR 51 BPM, AP 3873 PSI, AR 49.9 BPM, ISIP 2260, FG .69 NPI 234 PSI, PMPD 2267 BBLS SW & 84,458 LBS 30/50 SND & 5,000 LBS 20/40 RESIN. TOTAL PROP 89,458 LBS.
	15:45 - 19:30	3.75	COMP	36	E	P		(STG 5) PU 41/2 CBP & 31/8 EXP GNS, 23 GRM, .36" HOLES, 90 & 120 DEG PHASING. SET 8K BAKER CBP @ 8894' & PERF 8646'-8648' 3 SPF, 8714'-8716' 3 SPF, 8734'-8736' 4 SPF, 8800'-8802' 4 SPF, 8860'-8864' 3 SPF, 40 HOLES. WHP 2050 PSI,BROKE @ 2176 PSI, @ 7 BPM, ISIP 2049 PSI, FG .67. PUMPED 100 BBLS @ 51 BPM @ 4600 PSI = 100% PERFS OPEN. PUMPED, 899 WTR, 25,232 LBS SAND BLENDER SHUT DWN, MAKE REPAIRS,SHORT ON ALTINATOR, CONTINUE W/ JOB. DWN APROX 15 MIN. MP 5150 PSI, MR 51.5 BPM, AP 4122 PSI, AR 49.9 BPM, ISIP 2396, FG .71 NPI 347 PSI, PMPD 2018 BBLS SW & 71,860 LBS 30/50 SND & 5,000 LBS 20/40 RESIN. TOTAL PROP 76,860 LBS.

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-18D3DS BLUE		Spud Conductor: 5/29/2009	Spud Date: 6/4/2009
Project: UTAH-UINTAH		Site: NBU 922-18E PAD	Rig Name No:
Event: COMPLETION		Start Date: 12/4/2009	End Date: 1/15/2010
Active Datum: RKB @4,920.00ft (above Mean Sea Leve UWI: SW/NW/0/9/S/22/E/18/0/0/26/PM/N/1,886.00/W/0/379.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	17:46 - 17:46	0.00	COMP	36	E	P		(STG 6) PU 41/2 CBP & 31/8 EXP GNS, 23 GRM, .36" HOLES, 90 & 120 DEG PHASING. SET 8K BAKER CBP @ 8624' & PERF 8460'-8462' 4 SPF, 8562'-8566' 3 SPF, 8588'-8594' 3 SPF 38 HOLES. POOH SWI SDFN.
1/14/2010	7:30 - 8:00	0.50	COMP	48		P		HSM, STAYING AWAY FROM WELL WHILE FRACING.
	8:00 - 9:57	1.95	COMP	36	E			(STG 6) WHP 1325 PSI,BROKE @ 3395 PSI, @ 7 BPM, ISIP 1739 PSI, FG .64. HAD CHEMICAL PROBLEMS START PUMPING @ 9:20 AM. PUMPED 100 BBLS @ 50 BPM @ 6020 PSI = 53% PERFS OPEN. MP 6735 PSI, MR 51 BPM, AP 4575 PSI, AR 50.5 BPM, ISIP 2596, FG .74 NPI 857 PSI, PMPD 1688 BBLS SW & 58,789 LBS 30/50 SND & 5,000 LBS 20/40 RESIN. TOTAL PROP 63,789 LBS.
	9:57 - 11:38	1.68	COMP	36	E			(STG 7) PU 41/2 CBP & 31/8 EXP GNS, 23 GRM, .36" HOLES, 90 & 120 DEG PHASING. SET 8K BAKER CBP @ 8382' & PERF 8240'-8242' 4 SPF, 8268'-8270' 4 SPF, 8302'-8306' 3 SPF, 8348'-8352' 3 SPF, 40 HOLES. WHP 1899 PSI,BROKE @ 2175 PSI, @ 7.3 BPM, ISIP 2000 PSI, FG .67. PUMPED 100 BBLS @ 51 BPM @ 4380 PSI = 100% PERFS OPEN. MP 6117 PSI, MR 51.8 BPM, AP 4160 PSI, AR 51.2 BPM, ISIP 2371, FG .72 NPI 371 PSI, PMPD 1143 BBLS SW & 39,928 LBS 30/50 SND & 5,000 LBS 20/40 RESIN. TOTAL PROP 44,928 LBS
	11:38 - 13:16	1.63	COMP	36	E	P		(STG 8) PU 41/2 CBP & 31/8 EXP GNS, 23 GRM, .36" HOLES, 90 & 120 DEG PHASING. SET 8K BAKER CBP @ 8156' & PERF 8037'-8042' 3 SPF, 8063'-8065' 4 SPF, 8096'-8098' 4 SPF, 8122'-8126' 3 SPF, 43 HOLES. WHP 595 PSI,BROKE @ 2044 PSI, @ 4.5 BPM, ISIP 1644 PSI, FG .64. PUMPED 100 BBLS @ 51 BPM @ 4150 PSI = 86% PERFS OPEN. MP 6069 PSI, MR 52.1 BPM, AP 3864 PSI, AR 51.2 BPM, ISIP 2181, FG .70 NPI 537 PSI, PMPD 1555 BBLS SW & 62,488 LBS 30/50 SND & 5,000 LBS 20/40 RESIN. TOTAL PROP 67,488 LBS
	13:16 - 18:30	5.23	COMP	31	I	P		(KILL PLUG) RIH W/ 41/2" BAKER 8K CBP & SET @ 8,000'. BLEW WELL DWN TO PIT, RD FRAC TEC & CUTTERS WIRE, ND FRAC VALVE NU BOPS, RU FLOOR PU RIH W/ 37/8 BIT, POBS, 1.875 X/N & 251 JTS 23/8 L-80 EOT @ 7988' SWI SDFN.
1/15/2010	7:00 - 7:30	0.50	COMP	48		P		HSM, WORKING W/ SWIVEL & DRILLING RUBBER WHILE DRILLING PLUGS, AND LANDING TBG.

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-18D3DS BLUE	Spud Conductor: 5/29/2009	Spud Date: 6/4/2009
Project: UTAH-UINTAH	Site: NBU 922-18E PAD	Rig Name No:
Event: COMPLETION	Start Date: 12/4/2009	End Date: 1/15/2010
Active Datum: RKB @4,920.00ft (above Mean Sea Leve UWI: SW/NW/0/9/S/22/E/18/0/0/26/PM/N/1,886.00/W/0/379.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:30 - 18:00	10.50	COMP	44	D	P		<p>SICP 0 PSI, RU SWIVEL, BROKE CIRC CONVENTIONAL W/ 2% RIH.</p> <p>C/O 35' SAND TAG 1ST PUG @ 8000' DRL PLG IN 14 MIN 0 # INCREASE RIH</p> <p>C/O 30' SAND TAG 2ND PUG @ 8158' DRL PLG IN 25 MIN 500# INCREASE RIH</p> <p>C/O 30' SAND TAG 3RD PUG @ 8382' DRL PLG IN 12 MIN 600# INCREASE RIH</p> <p>C/O 25' SAND TAG 4TH PUG @ 8624' DRL PLG IN 18 MIN 600# INCREASE RIH</p> <p>C/O 90' SAND TAG 5TH PUG @ 8894' DRL PLG IN 12 MIN 300# INCREASE RIH</p> <p>C/O 20' SAND TAG 6TH PUG @ 9158' DRL PLG IN 20 MIN 300# INCREASE RIH</p> <p>C/O 25' SAND TAG 7TH PUG @ 9404' DRL PLG IN 18 MIN 300# INCREASE RIH</p> <p>C/O 27' SAND TAG 8TH PUG @ 9636' DRL PLG IN 18 MIN 0# INCREASE RIH TAG UP @ 9893' C/O SAND DWN TO 9979' BTM NOT MAKING ANY HOLE, BTM PERF @ 9958' PBTD @ 9993' CIRC CLEAN, HANG SWIVEL. LD 17 JTS 23/8 L-80 TOTAL 297 JTS IN 29 OUT. RACK OUT SWIVEL, LUB IN HANGER. RD FLOOR ND BOPS NU WH, DROP BALL PUMP OFF BIT W/ 50 BBLS WTR, SWI LET BIT FALL HELP HOOK UP FLOW LINE FOR FLOW TESTERS. TURN WELL OVER TO FB CREW SDFWE.</p> <p>KB 26' CAMERON 71/16 HANGER .83' 297 JTS 23/8 L-80 = 9416.71' POBS = 2.20' EOT @ 9445.74'</p> <p>326 JTS HAULED OUT 297 JTS LANDED 29 JTS RETURNED</p> <p>TWTR 11,716 BBLS TWR 2500 BBLS TWLTR 9216 BBLS 7 AM FLBK REPORT: CP 1650#, TP 1625#, 20/64" CK, 60 BWPH, LIGHT SAND, LIGHT GAS TTL BBLS RECOVERED: 3459 BBLS LEFT TO RECOVER: 8257</p> <p>1/16/2010 7:00 - 33 A 7 AM FLBK REPORT: CP 1900#, TP 1825#, 20/64" CK, 53 BWPH, LIGHT SAND, LIGHT GAS TTL BBLS RECOVERED: 4793 BBLS LEFT TO RECOVER: 6923</p> <p>1/17/2010 7:00 - 33 A WELL TURNED TO SALE @ 1100 HR ON 1/18/10 - FTP 1775#, CP 2100#, 2.0 MCFD, 38 BWPD, 20/64 CK</p> <p>1/18/2010 11:00 - PROD 50 7 AM FLBK REPORT: CP 2100#, TP 1775#, 20/64" CK, 40 BWPH, LIGHT SAND, LIGHT GAS TTL BBLS RECOVERED: 5860 BBLS LEFT TO RECOVER: 5856</p> <p>7:00 - 33 A</p>

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-18D3DS BLUE		Spud Conductor: 5/29/2009		Spud Date: 6/4/2009	
Project: UTAH-UINTAH		Site: NBU 922-18E PAD			Rig Name No:
Event: COMPLETION		Start Date: 12/4/2009		End Date: 1/15/2010	
Active Datum: RKB @4,920.00ft (above Mean Sea Leve		UWI: SW/NW/0/9/S/22/E/18/0/0/26/PM/N/1,886.00/W/0/379.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
1/19/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2275#, TP 1725#, 20/64" CK, 30 BWPH, TRACE SAND, 1854 GAS TTL BBLS RECOVERED: 6718 BBLS LEFT TO RECOVER: 4998
1/20/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2350#, TP 1675#, 20/64" CK, 23 BWPH, TRACE SAND, 2017 GAS TTL BBLS RECOVERED: 7354 BBLS LEFT TO RECOVER: 4362
1/21/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2200#, TP 1650#, 20/64" CK, 23 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 7890 BBLS LEFT TO RECOVER: 3826
1/22/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2525#, TP 1650#, 20/64" CK, 20 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 8421 BBLS LEFT TO RECOVER: 3295
1/24/2010	7:00 -		PROD	50				WELL IP'D ON 1/24/10 - 2132 MCFD, 531 BWPD, CP 2367#, FTP 1474#, CK 20/64", LP 113#, 24 HRS



ANADARKO PETROLEUM CORP.

UINTAH COUNTY, UTAH (nad 27)

NBU 922-18E PAD

NBU 922-18D3DS

NBU 922-18D3DS

Survey: Final

Standard Survey Report

04 August, 2009



Weatherford®

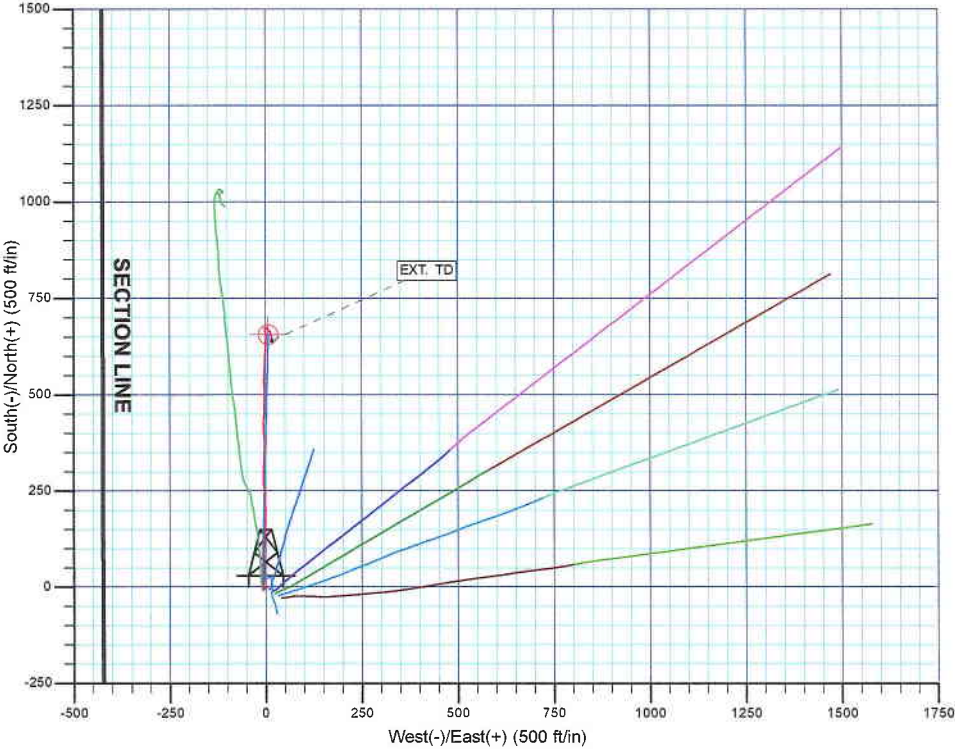
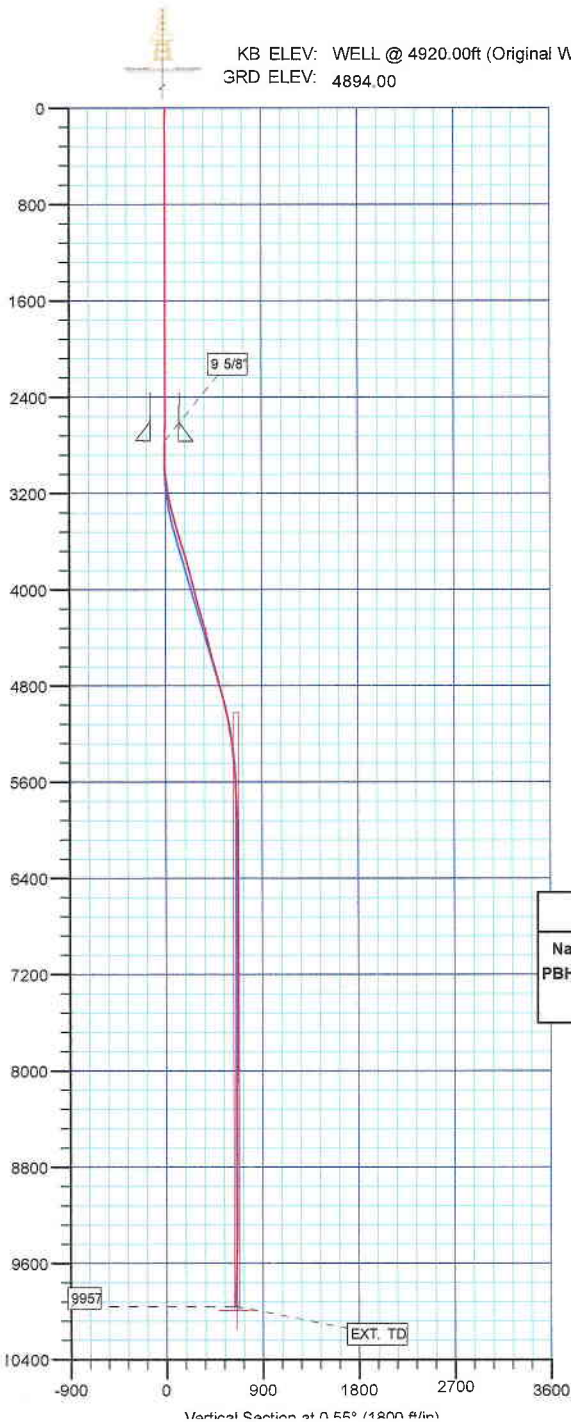


WELL DETAILS: NBU 922-18D3DS								
+N/-S	+E/-W	Northing	Easting	Ground Level:	4894.00	Latitude	Longitude	Slot
0.00	0.00	14543509.27	2063445.03			40° 2' 17.178 N	109° 29' 19.281 W	

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
5021.00	5107.90	Top Wasatch:
7757.00	7851.09	Top Mesaverde:
8692.00	8786.09	MVU21:
9209.00	9303.09	MVL1:

SECTION DETAILS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
2765.00	0.89	219.35	2764.90	-6.73	-5.70	0.00	0.00	-6.78	
2920.00	0.89	219.35	2919.88	-8.59	-7.23	0.00	0.00	-8.66	
3553.73	18.30	1.43	3543.28	87.97	-7.87	3.00	143.67	87.89	
4900.98	18.30	1.43	4822.37	510.91	2.68	0.00	0.00	510.91	
5816.09	0.00	0.00	5722.00	655.78	6.30	2.00	180.00	655.81	
10089.09	0.00	0.00	9995.00	655.78	6.30	0.00	0.00	655.81	PBHL_NBU 922-18D3DS

CASING DETAILS			
TVD	MD	Name	Size
2764.90	2765.00	9 5/8"	9.62



WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)								
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL	9995.00	655.78	6.30	14544165.07	2063440.20	40° 2' 23.660 N 109° 29' 19.200 W		Circle (Radius: 25.0)

Company: ANADARKO PETROLEUM CORP.
Project: UINTAH COUNTY, UTAH (nad 27)
Site: NBU 922-18E PAD
Well: NBU 922-18D3DS
Wellbore: NBU 922-18D3DS
Design: NBU 922-18D3DS

Local Co-ordinate Reference: Well NBU 922-18D3DS
TVD Reference: WELL @ 4920.00ft (Original Well Elev)
MD Reference: WELL @ 4920.00ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Project	UINTAH COUNTY, UTAH (nad 27),		
Map System:	Universal Transverse Mercator (US Survey Fee	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 - Western US		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	NBU 922-18E PAD, SECTION 18 T9S R22E				
Site Position:		Northing:	14,543,514.70ft	Latitude:	40° 2' 17.233 N
From:	Lat/Long	Easting:	2,063,436.85ft	Longitude:	109° 29' 19.385 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	0.97 °

Well	NBU 922-18D3DS					
Well Position	+N/-S	0.00 ft	Northing:	14,543,509.27 ft	Latitude:	40° 2' 17.178 N
	+E/-W	0.00 ft	Easting:	2,063,445.03 ft	Longitude:	109° 29' 19.281 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	4,894.00 ft

Wellbore	NBU 922-18D3DS				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2008	7/21/2009	11.35	65.98	52,556

Design	NBU 922-18D3DS				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	0.55	

Survey Program	Date 8/4/2009				
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
103.00	10,047.00	Survey #1 (NBU 922-18D3DS)	MWD	MWD - Standard	

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103.00	0.33	214.24	103.00	-0.25	-0.17	-0.25	0.32	0.32	0.00
195.00	0.47	222.64	195.00	-0.74	-0.57	-0.75	0.16	0.15	9.13
287.00	0.56	224.62	286.99	-1.34	-1.14	-1.35	0.10	0.10	2.15
381.00	0.63	231.25	380.99	-1.99	-1.87	-2.01	0.10	0.07	7.05
474.00	0.59	244.26	473.98	-2.52	-2.70	-2.54	0.15	-0.04	13.99
568.00	0.14	176.56	567.98	-2.84	-3.13	-2.87	0.59	-0.48	-72.02
663.00	0.13	124.37	662.98	-3.02	-3.03	-3.05	0.13	-0.01	-54.94
757.00	0.25	128.00	756.98	-3.21	-2.78	-3.23	0.13	0.13	3.86
847.00	0.13	97.62	846.98	-3.34	-2.53	-3.36	0.17	-0.13	-33.76
940.00	0.19	99.12	939.98	-3.38	-2.27	-3.40	0.06	0.06	1.61
1,031.00	0.25	68.37	1,030.98	-3.33	-1.94	-3.35	0.14	0.07	-33.79
1,123.00	0.31	41.12	1,122.98	-3.07	-1.59	-3.08	0.16	0.07	-29.62

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Design: NBU 922-18D3DS

Local Co-ordinate Reference: Well NBU 922-18D3DS
TVD Reference: WELL @ 4920.00ft (Original Well Elev)
MD Reference: WELL @ 4920.00ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,215.00	0.38	66.37	1,214.98	-2.76	-1.14	-2.77	0.18	0.08	27.45
1,307.00	0.38	80.62	1,306.97	-2.59	-0.56	-2.59	0.10	0.00	15.49
1,401.00	0.44	85.12	1,400.97	-2.50	0.11	-2.50	0.07	0.06	4.79
1,494.00	0.44	64.50	1,493.97	-2.32	0.78	-2.31	0.17	0.00	-22.17
1,588.00	0.44	30.25	1,587.97	-1.85	1.29	-1.84	0.28	0.00	-36.44
1,680.00	0.47	21.09	1,679.96	-1.20	1.60	-1.18	0.09	0.03	-9.96
1,772.00	0.81	307.62	1,771.96	-0.45	1.23	-0.44	0.88	0.37	-79.86
1,865.00	0.25	246.00	1,864.96	-0.13	0.52	-0.12	0.78	-0.60	-66.26
1,958.00	0.25	214.75	1,957.95	-0.38	0.22	-0.38	0.14	0.00	-33.60
2,050.00	0.38	216.25	2,049.95	-0.79	-0.08	-0.79	0.14	0.14	1.63
2,143.00	0.44	220.87	2,142.95	-1.31	-0.49	-1.31	0.07	0.06	4.97
2,238.00	0.63	216.00	2,237.95	-2.01	-1.04	-2.02	0.21	0.20	-5.13
2,332.00	0.56	222.75	2,331.94	-2.76	-1.65	-2.78	0.11	-0.07	7.18
2,426.00	0.81	209.75	2,425.93	-3.68	-2.30	-3.70	0.31	0.27	-13.83
2,519.00	0.69	240.75	2,518.93	-4.52	-3.11	-4.55	0.45	-0.13	33.33
2,610.00	0.81	232.00	2,609.92	-5.18	-4.10	-5.22	0.18	0.13	-9.62
2,704.00	0.81	225.37	2,703.91	-6.06	-5.09	-6.11	0.10	0.00	-7.05
2,765.00	0.89	219.35	2,764.90	-6.73	-5.70	-6.78	0.20	0.13	-9.87
2,841.00	1.18	190.02	2,840.89	-7.96	-6.21	-8.01	0.78	0.38	-38.59
2,935.00	2.04	358.67	2,934.88	-7.24	-6.42	-7.30	3.41	0.91	179.41
3,029.00	6.13	4.58	3,028.62	-0.56	-6.05	-0.62	4.37	4.35	6.29
3,124.00	8.94	5.35	3,122.79	11.85	-4.96	11.80	2.96	2.96	0.81
3,217.00	11.75	0.10	3,214.27	28.52	-4.27	28.48	3.18	3.02	-5.65
3,312.00	14.06	0.23	3,306.86	49.73	-4.21	49.69	2.43	2.43	0.14
3,406.00	17.06	356.23	3,397.41	74.92	-5.07	74.86	3.39	3.19	-4.26
3,501.00	18.88	5.60	3,487.79	104.13	-4.48	104.08	3.59	1.92	9.86
3,596.00	18.13	3.73	3,577.88	134.17	-2.02	134.15	1.01	-0.79	-1.97
3,691.00	19.44	0.23	3,667.82	164.74	-1.00	164.72	1.82	1.38	-3.68
3,786.00	17.56	358.73	3,757.91	194.87	-1.25	194.85	2.04	-1.98	-1.58
3,880.00	16.81	358.85	3,847.71	222.64	-1.84	222.61	0.80	-0.80	0.13
3,975.00	14.94	351.73	3,939.09	248.50	-3.88	248.45	2.84	-1.97	-7.49
4,064.00	15.80	358.03	4,024.91	271.96	-5.94	271.89	2.11	0.97	7.08
4,164.00	17.88	1.35	4,120.62	300.92	-6.05	300.85	2.29	2.08	3.32
4,259.00	18.44	2.48	4,210.89	330.51	-5.06	330.45	0.70	0.59	1.19
4,354.00	18.19	2.35	4,301.08	360.34	-3.80	360.28	0.27	-0.26	-0.14
4,449.00	13.75	354.35	4,392.40	386.40	-4.30	386.34	5.21	-4.67	-8.42
4,544.00	15.94	358.85	4,484.23	410.68	-5.68	410.61	2.60	2.31	4.74
4,639.00	16.44	3.98	4,575.46	437.14	-5.00	437.07	1.59	0.53	5.40
4,734.00	17.25	358.73	4,666.39	464.63	-4.38	464.57	1.81	0.85	-5.53
4,829.00	17.31	2.85	4,757.11	492.83	-3.99	492.77	1.29	0.06	4.34
4,923.00	16.44	356.60	4,847.07	520.08	-4.09	520.02	2.14	-0.93	-6.65
5,017.00	15.56	2.48	4,937.43	545.96	-4.33	545.89	1.96	-0.94	6.26
5,112.00	13.10	2.70	5,029.47	569.45	-3.27	569.39	2.59	-2.59	0.23
5,206.00	11.44	1.23	5,121.32	589.41	-2.57	589.36	1.80	-1.77	-1.56
5,300.00	9.69	4.48	5,213.72	606.62	-1.75	606.57	1.97	-1.86	3.46
5,395.00	8.31	2.73	5,307.55	621.44	-0.80	621.41	1.48	-1.45	-1.84
5,490.00	5.81	1.98	5,401.82	633.11	-0.31	633.08	2.63	-2.63	-0.79
5,584.00	5.19	6.73	5,495.39	642.09	0.36	642.06	0.82	-0.66	5.05
5,679.00	4.19	11.85	5,590.07	649.75	1.57	649.74	1.14	-1.05	5.39
5,774.00	3.53	329.76	5,684.87	655.67	0.81	655.65	2.99	-0.69	-44.31
5,869.00	3.63	350.48	5,779.69	661.17	-1.16	661.13	1.36	0.11	21.81
5,964.00	2.75	1.23	5,874.54	666.41	-1.61	666.37	1.12	-0.93	11.32
6,057.00	0.56	11.48	5,967.50	669.09	-1.47	669.04	2.37	-2.35	11.02
6,152.00	0.25	94.35	6,062.50	669.53	-1.17	669.49	0.61	-0.33	87.23

Company: ANADARKO PETROLEUM CORP.
Project: UINTAH COUNTY, UTAH (nad 27)
Site: NBU 922-18E PAD
Well: NBU 922-18D3DS
Wellbore: NBU 922-18D3DS
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Local Co-ordinate Reference: Well NBU 922-18D3DS
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Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,247.00	0.13	108.23	6,157.50	669.48	-0.86	669.44	0.13	-0.13	14.61
6,342.00	1.00	338.48	6,252.49	670.22	-1.06	670.17	1.14	0.92	-136.58
6,437.00	0.88	330.85	6,347.48	671.62	-1.72	671.58	0.18	-0.13	-8.03
6,532.00	0.25	315.98	6,442.47	672.41	-2.22	672.36	0.68	-0.66	-15.65
6,627.00	0.25	331.73	6,537.47	672.74	-2.46	672.69	0.07	0.00	16.58
6,721.00	0.08	263.76	6,631.47	672.92	-2.63	672.86	0.25	-0.18	-72.31
6,816.00	0.44	184.22	6,726.47	672.54	-2.72	672.49	0.46	0.38	-83.73
6,911.00	0.88	161.85	6,821.47	671.49	-2.52	671.43	0.53	0.46	-23.55
7,006.00	1.50	85.60	6,916.45	670.89	-1.05	670.85	1.63	0.65	-80.26
7,101.00	0.81	32.35	7,011.43	671.55	0.55	671.53	1.27	-0.73	-56.05
7,196.00	0.50	43.48	7,106.43	672.42	1.19	672.40	0.35	-0.33	11.72
7,291.00	0.56	59.98	7,201.42	672.95	1.88	672.94	0.17	0.06	17.37
7,385.00	0.44	32.60	7,295.42	673.49	2.47	673.48	0.28	-0.13	-29.13
7,480.00	0.33	123.69	7,390.42	673.64	2.90	673.64	0.58	-0.12	95.88
7,575.00	0.00	308.48	7,485.42	673.49	3.12	673.49	0.35	-0.35	0.00
7,669.00	0.25	126.35	7,579.42	673.37	3.29	673.37	0.27	0.27	0.00
7,764.00	0.44	142.48	7,674.41	672.96	3.68	672.96	0.22	0.20	16.98
7,858.00	0.69	163.48	7,768.41	672.13	4.06	672.14	0.34	0.27	22.34
7,953.00	1.19	165.00	7,863.40	670.63	4.48	670.64	0.53	0.53	1.60
8,048.00	1.69	158.98	7,958.37	668.37	5.24	668.39	0.55	0.53	-6.34
8,142.00	1.00	175.48	8,052.34	666.25	5.80	666.28	0.83	-0.73	17.55
8,235.00	0.31	159.60	8,145.33	665.21	5.95	665.24	0.76	-0.74	-17.08
8,330.00	0.31	356.35	8,240.33	665.23	6.02	665.25	0.65	0.00	-171.84
8,425.00	0.25	41.85	8,335.33	665.64	6.14	665.66	0.24	-0.06	47.89
8,519.00	0.44	89.83	8,429.33	665.79	6.64	665.82	0.35	0.20	51.04
8,614.00	1.00	86.60	8,524.32	665.84	7.83	665.88	0.59	0.59	-3.40
8,709.00	0.94	126.48	8,619.31	665.43	9.29	665.48	0.70	-0.06	41.98
8,804.00	0.63	154.10	8,714.30	664.49	10.14	664.56	0.51	-0.33	29.07
8,899.00	0.69	127.60	8,809.30	663.67	10.82	663.75	0.32	0.06	-27.89
8,994.00	0.75	178.60	8,904.29	662.70	11.29	662.78	0.66	0.06	53.68
9,089.00	0.44	150.60	8,999.28	661.76	11.49	661.84	0.44	-0.33	-29.47
9,184.00	0.38	197.85	9,094.28	661.15	11.57	661.23	0.35	-0.06	49.74
9,278.00	0.19	194.60	9,188.28	660.70	11.43	660.78	0.20	-0.20	-3.46
9,375.00	0.19	129.60	9,285.28	660.44	11.52	660.52	0.21	0.00	-67.01
9,659.00	2.25	162.35	9,569.20	654.83	13.57	654.93	0.74	0.73	11.53
9,993.00	2.13	175.35	9,902.96	642.39	16.06	642.52	0.15	-0.04	3.89
EXT. TD									
10,047.00	2.13	175.35	9,956.92	640.39	16.23	640.52	0.00	0.00	0.00

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
10,047.00	9,956.92	640.39	16.23	EXT. TD

Checked By: _____ Approved By: _____ Date: _____